



# Field Day 2023

## Memorial Field

June 24-25<sup>th</sup>



Assemblywoman Lisa Swain (D-5<sup>th</sup> NJ) presents a joint NJ Assembly-Legislative proclamation commemorating FLARC's success and celebrating Amateur Radio Week in New Jersey to PIO Ed Efchak WX2R, 2023 Field Day Chair Noel Pagan W2MSA and club President Dave Corsello KD2JIP. (L to R)

# ***It Rained Sunshine!***

From the threat of predicted rain to then near perfect weather, a modified set-up from 4A to 3A, so-so operating band conditions and the camaraderie of friends made for a different but exciting FLARC Field Day.

## ***Friday Setup***



An ominous Friday afternoon as setup begins.



Brain trusts gather to make key decisions.



Brian KD2KLN holds up a tree while the antenna is installed.



Kevin K2KCC determines the length of the dipole in question.



"The coax length is 102' exactly" says W2MSA to KD2KLN.



## Faces In the Crowd



Gary N2DVL and Steve WI2W



A deep discussion on atmospheric propagation



Glenn KD2MDR and Brian N2BTD



Brian KD2KLN and John NN2H



L to R: Don N2PD, Nomar NP4H and Jim W2KNG



L to R: KD2KLN, N2PD, W2KNG and KD2BRV

## ***Operating 3A***



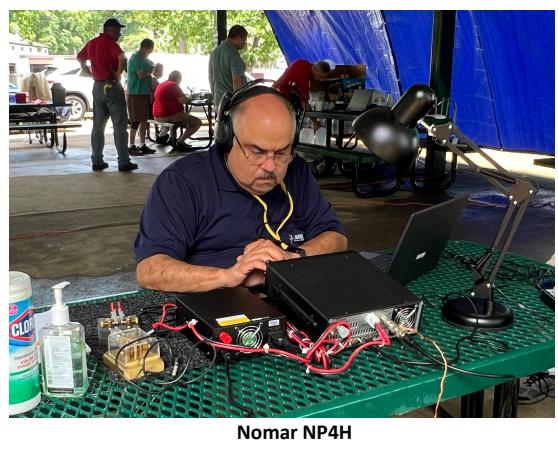
Van W2DLT and Dave N2AAM



Jim KB2FMH and Kevin K2KCC



Jim W2JC



Nomar NP4H



Dave KD2MOB



Ken W2SCT

# Around The Field Day Site



John and Leo at the GOTA station—used with permission.



Brian KD2KLN sends our FD message to SM Bob W2OD



Skip KD2BRV and Don K2PD handle the dinner grill

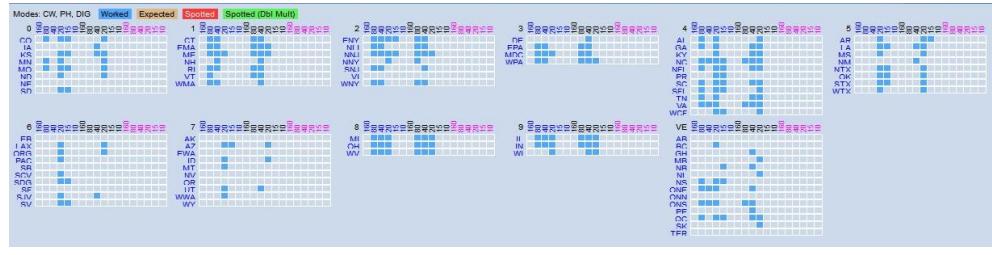


Nomar NP4H and Ed WX2R juggled ARRL duties



Skip KD2BRV stands guard at the Publicity tent.

Contest:	FD					
Band	Mode	QSOs	Pts	Pt/Q		
3.5	CW	109	218	2.0		
3.5	LSB	63	63	1.0		
7	CW	72	144	2.0		
7	LSB	211	211	1.0		
14	CW	177	354	2.0		
14	USB	112	112	1.0		
21	CW	29	58	2.0		
21	USB	4	4	1.0		
50	FT8	19	38	2.0		
Total	Both	796	1202	1.5		
Score:		2,404				



# Recognition



# Recognition



STATE OF NEW JERSEY  
OFFICE OF THE GOVERNOR  
P.O. BOX 001  
TRENTON  
08825  
(609) 292-6000

PHILIP D. MURPHY  
GOVERNOR

June 24, 2023

Dear Friends,

It is my pleasure to welcome all those gathered for Amateur Radio Field Day, hosted by the American Radio Relay League.

Amateur radio operators are an essential component of our natural disaster response here in the Garden State. Operators across New Jersey volunteer countless hours to provide necessary emergency radio communications and coverage of local events to all of our citizens, generously giving their time and expertise to ensure that critical information remains accessible. Their contributions and selfless dedication to the SKYWARN weather spotting program of the National Weather Service provide crucial warnings to residents and travelers that are necessary to ensure public safety.

This event serves as an opportune time to celebrate the important techniques for independently operating a field radio station and raise awareness for the critical services that these radio operators provide. As Governor, I offer a special recognition to the American Radio Relay League, whose many resources make it possible for a network of amateur radio operators to obtain licenses, find community, and continue to practice and perfect this venerable activity.

Best wishes for a successful and memorable event.

My very best,

A handwritten signature in blue ink that reads "Philip D. Murphy".  
Philip D. Murphy  
Governor

# **Recognition**



**American  
Red Cross**

**Disaster Services Technology  
New Jersey Region, American Red Cross**

Would like to acknowledge:

## **Fair Lawn Amateur Radio Club W2NPT**

For demonstrating the capabilities of Amateur Radio to work  
in less than optimal conditions

**Fair Lawn, NJ  
ARRL Field Day 2023**

Thank you for being "Red Cross Ready"



**W2MSA, Deputy Mayor Cutrone and  
KD2JIP**



**KD2MOB, N2JLF, Diana Gracia (Red  
Cross) KD2JIP and W2MSA**



**W2MSA, KD2JIP, Mayor Peluso and  
NP4H**

# Results

This year's Field Day was in many ways unique. Solid preparation, tempered by adjustments due to the forecast of inclement weather, the efficient use of club equipment and an uneventful setup made for a great weekend.

Field Day is always about emergency preparedness. Yes, there is a "contest" attached to it but the contest is about honing operating skills needed during emergency conditions.

Food, members and friends capped the weekend with a gaggle of visitors including OEM, Red Cross and representatives from borough and state government.

So... how did we do?

- A decrease in member participation – 33 members participating down from 52 last year, 49 in 2018, 47 in 2017 and 43 in 2016
- 28 registered visitors and a perhaps a few more who "snuck by" the visitor log.
- Faster and more fluid overall field setup time -- the real metric of Field Day
- Three media mentions
- Our raw contest score **was 2,328** compared with 4,514 for 2022.

## Thanks to All Who Took Part!

Jim	N2JLF	Nomar	NP4H
Brian	KD2KLN	Ken	W2SCT
Don	K2PD	Dave	KD2JIP
Kevin	K2KCC	Brian	N2BTD
Jim	W2JC	Jim	W2KNG
Steve	WI2W	Van	W2DLT
Skip	KD2BRV	Greg	KD2MDR
James	KB2FMH	Gene	WO2W
Andrew	KC2G	Lee	KD2DRS
Dave	KD2MOB	Kevin	KD2QWQ
Ed	WX2R	Noel	W2MSA
Mike	KD2YEW	Fred	W2AAB
David	K2DBK	George	W3EH
Paul	WA2IIIE	Gary	N2DVL
Dave	NK2Q	Josh	KD2WDJ
John	NN2H	Jeremy	K2GRI
Gene	W2KJI	Ari	KD2CAK
Hector	K22WWU	Rich	KD2WJR
Frank	WB2CGB	Lou	K2TAC
Matt	K2AT	Roslyn	KD2GKA

Thanks to all who submitted photos and comments to help make the FD Resonator a must-read: Glenn KB2MDR, George W3EH, Steve WI2W, and Ed WX2R. Who did we miss??

## From Noel W2MSA, 2023 Field Day Chair:

*Field Day was awesome, and I thank everyone who participated. This year everything came together well, considering the rainy weather forecast. I was very happy to see how many members showed up for the "emergency preparedness challenge" of setting up in the rain.*

*Under the pavilion we were able to set up as 3A NNJ plus our 6M "free" station. The bandpass filters minimized interference between stations and the networked laptops worked flawlessly. Tarps were setup initially on the east side of the pavilion to deflect the rain coming off the roof, to protect our gear. Our GOTA station was set up for 2m simplex and made contacts with Columbia University ARC and reached the Sunday morning 2m SSB net, with net control in LI. We had a very nice atmosphere with a breeze coming through most of the time, not too buggy and not too hot. Everyone had a great time operating the stations, socializing, and enjoying each other's company.*

*Hats off to the overnight crew who kept our stations on the air all night long – you guys are awesome. Also, our food crew did a great job shopping for food, ordering lunch and cooking dinner. The publicity/Social media team did a fantastic job for our event, thank you. I have an attendance record of about 38+ people which include members, visitors and special guests that came out to visit us.*

*Special thanks to all the volunteers who helped me with the planning and preparation process; this event wouldn't have happened without you.*



## W2NPT Fair Lawn ARC Bonus Points Summary

**Bonus Points claimed:** Check each box as appropriate and include required proof of points with your submission. All bonus points will be verified at ARRL HQ and added to your score.

100% emergency power



Media publicity

**Fair Lawn Amateur Radio Club to Participate in Annual "Field Day" Exercise Held Across North America**

Members of the Fair Lawn Amateur Radio Club will be participating in the national exercise, beginning Saturday, June 24th at 2PM and ending Sunday, June 25th at 1PM. The venue will be Memorial Park, Avenue of Heroes/Wood Avenue in Fair Lawn.

The event is open to everyone.

This year's event, which is amateur radio's largest activity, serves as an emergency preparedness test, as well as a contest between radio enthusiasts across the United States and Canada.

As usual, the club will partner with other Ham radio operators across North America to highlight the science and skill of Amateur Radio. This year the club will feature four working radio stations. "Field Day," an annual event since 1933, demonstrates ham radio's independent communications network. Ham operators train and prepare to support emergency communications by providing radio links when other communication methods are disabled.

This year's event also highlights the clubs work in public service. "In disasters, we've happened that we don't have power, and we have to make a phone call," says Dave Corrado, amateur radio call K2ZJF, President of the Fair Lawn club. "Ham radio functions completely independent of the Internet or cell phone infrastructure and can be set up anywhere in the world." Ham radio operators can literally throw a wire in a tree for an antenna, connect it to a battery-powered transmitter and communicate halfway around the world! Dave adds, "In today's electronic do-it-yourself (DIY) culture, the knowledge and skills of the best people for people to learn about electronics, physics, meteorology, and numerous other scientific disciplines, and is a huge asset to any community during disasters if the standard communication infrastructure goes down."

Amateur radio remains continually and more important than ever. The club will have information that is available to anyone interested in amateur radio. "We've had students interested in amateur radio and on the air. "We've spoken with local STEM and 'Maker' organizations and learned that amateur radio is increasingly part of their learning curriculum."

Anyone may become a licensed Amateur Radio operator; there are more licensed US citizens today than ever before. And with clubs such as Fair Lawn Amateur Radio Club, it is easy for anybody to get involved. The club meets every Friday at 6PM in the Recreation Center located at 10-10 20th Street in Fair Lawn.

<https://www.tapinto.net/articles/preview>

Public  
location [i](#)



Pavilion in public park next to Fair Lawn NJ Municipal Pool

Public  
information  
table [i](#)



Public Information table, with posters & literature & greeters.

Formal message  
to ARRL SM/SEC

**ARRL — the national association for Amateur Radio™**

**RADIOGRAM**

NUMBER 1024 PRECEDENCE R HX G STATION OF ORIGIN W2NPT CHECK 24 PLACE OF ORIGIN Fair Lawn NJ TIME FILED DATE JUNE 24

TO Bob Buus W2OD  
8 Denner St.  
Holmdel NJ 07733

PHONE NUMBER 732-946-8615  
E-MAIL w2od@aol.com

AMATEUR STATION THIS RADIO MESSAGE WAS RECEIVED AT  
NAME \_\_\_\_\_ PHONE \_\_\_\_\_  
STREET \_\_\_\_\_ E-MAIL \_\_\_\_\_  
CITY, STATE, ZIP \_\_\_\_\_

Greetings From Field & D44 AT  
memorial Park Fair Lawn X  
FLARC operating 3A with 28  
members including one ARES  
Having a Great Time co-ordinator

FROM RECD DATE TIME TO DATE TIME  
FRANK W2NPT SENT

This message was handled at no charge by a licensed Amateur Radio operator whose address is shown in the box at right above. No compensation can be accepted by a "ham" operator. A return message may be filed with the "ham" delivering this message to you. Further information on Amateur Radio may be obtained from ARRL Headquarters, 225 Main Street, Newington, CT 06111 or [www.arrl.org](http://www.arrl.org).

The ARRL is the national association for Amateur Radio and the publisher of QST magazine. One of its functions is promotion of public service communication among Amateur Radio operators. To that end, the ARRL has organized the National Traffic System for daily nationwide message handling.

1320 2/11

W1AW Field Day  
message

Uploaded documentation

#### ARRL Special Field Day Bulletin June 23, 2023, 8:00 pm EDT

arrl hq newington ct june 24, 2023 to all radio amateurs bt this year, as we celebrate the year of the volunteer, and we experience the ever increasing propagation benefits of solar cycle 25, 2023 arrl field day is destined to be one of the best events in recent years. as qst de w1aw bt many amateur radio operators consider field day to be the highlight of their year. since its inception in 1933, field day represents the largest ham radio operating event in north america bt what is field day ? whether its an emergency exercise, a social activity, or just friendly competition between individuals or clubs, field day is what you make of it. bt if you wish to participate as part of a local groups field day operation, find active groups near you by using the arrl field day locator search page at arrl.org/field day locator. as qst de w1aw bt remember to publicize your participation in the event, before, during and after the event using social media, perhaps even live streaming bt there are bonus points available for obtaining media publicity, so be sure to reach out to your local media outlets bt after the dust settles and all the gear is packed away, dont forget to submit your entry using the online entry form at field day.arrl.org before 2059 utc on tuesday, july 25, 2023 bt good luck and 73 ark de w1aw

Formal messages handled	12 WinLink emails sent from Field Day site.
No.	TXT log file uploaded.
Satellite QSO (automatically determined)	None.

Natural power QSOs completed

06/25/23 Op. Nomar NP4H stations worked using LiFePo4 battery power:  
 W4RKC-3.539 -3A VA-01:31  
 K3NEM-3.545 -2A MDC-01:32  
 K4NN- 3.547 -3A WV-01:33  
 W1DDD-3.553 -2A RI-01:34  
 NS1RA-3.522 -3A EMA-01:36



Site visit by invited elected official



Fair Lawn Deputy Mayor (L) and FLARC organizers.

Site visit by  
invited served  
agency  
official [i](#)

F



Fair Lawn OEM representative.

Educational  
activity [i](#)

Formal instruction to group on how to calculate dimensions and hands-on assembly of 6-meter dipole, later used for the “free bonus station” on site.

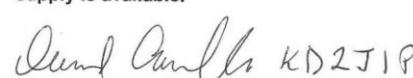
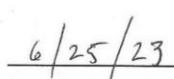
Youth  
participation [i](#)



John and Leo make a contact — used with permission.

Number of youth participants completing at least 1 QSO:  
one

Total number of youth participants:  
One

GOTA bonus (automatically determined)	None
Submitted entry online (automatically determined)	Yes
Safety officer <i>i</i>	Safety Officer check list uploaded.  <b>ARRL Field Day Safety Officer Checklist</b>  To qualify for the 100-point Safety Officer bonus (for Class A stations), a group must appoint a qualified person/s who are present at their site from the beginning of set-up until the end of break-down.  This form is NOT intended to be all inclusive.  The Safety Officer/s certify by submitting this form that due diligence was made to provide a safe operation.  [check (or circle) any/all that apply] <input checked="" type="checkbox"/> Safety Officer/s or qualified designated assistant/s was on site for the duration of the event. <input checked="" type="checkbox"/> Fuel for generator properly stored. <input checked="" type="checkbox"/> Fire extinguisher on hand and appropriately located. <input checked="" type="checkbox"/> First Aid kit on hand. <input checked="" type="checkbox"/> First Aid - CPR - AED versed else trained participant/s on site for full Field Day period. <input checked="" type="checkbox"/> Access to NWS alerts to monitor for inclement weather. <input checked="" type="checkbox"/> Tent stakes properly installed and marked. <input checked="" type="checkbox"/> Temporary antenna structures properly secured and marked. <input checked="" type="checkbox"/> Site secured from tripping hazards. <input checked="" type="checkbox"/> Site is set up in a neat and orderly manner to reduce hazards. <input checked="" type="checkbox"/> Stations and equipment properly grounded. <input checked="" type="checkbox"/> Access to a means to contact police/fire/rescue if needed. <input checked="" type="checkbox"/> Safety Officer is designated point of contact for public safety officials. <input checked="" type="checkbox"/> Minimize risks and control hazards to ensure no injuries to public. <input checked="" type="checkbox"/> As necessary, monitoring participants for hydration and ensuring an adequate water supply is available.   signature(s) / call(s)   date Revised 3/2022

Social media [i]

<http://facebook.FairLawnARC.org>

## Fair Lawn Amateur Radio Club – FLARC



Fair Lawn Amateur Radio Club - FLARC was \*\*\* live — at Fair Lawn Amateur Radio Club - FLARC.

Jun 24 · Fair Lawn, NJ ·

Fair Lawn Amateur Radio Club Field Day



Boost this post to reach up to 505 more people if you spend \$42.

[Boost post](#)

24

5 comments 2 shares 208 views

Share

John Groslinger · 1:02

Greetings! My sister was the Red Cross rep that was a guest of yours for the event. She was blown away with the welcome atmosphere and bragged about making a contact on the GOTA station... Cheers! 73 KC3JKZ

John Groslinger: we are glad she enjoyed her visit with us and hope she will visit in coming years

Tony Gonzalez · 2:10

Enjoy guys - wish I was there for it

Skip Barker · 2:30

We are having a blast!!!

Happy field day 2023

Steve Rosman · 4:18

Outstanding!!! Field ops at its best, by the best, in the worst weather. Best wishes and 73. : Steve KA2YRA

# Fair Lawn Amateur Radio Club – FLARC

June 23 at 1:23 PM .

The Fair Lawn Amateur Radio Club will be participating in the Annual ARRL Field Day on Saturday 6/24 starting at 2PM through Sunday 6/25 at 2PM. We will be set up at Memorial Park, 1st Street & Lambert Road in Fair Lawn and will be operating on the radio for a full 24 hours making contacts with other Field Day stations around the world. Come on down to Memorial Park and see what Amateur Radio and our club is all about ! [ARRL The National Association for Amateur Radio](#) [ARRL Northern New Jersey Section](#) [ARRL Field Day](#)  
Arrl FieldDay Fair Lawn #arrl #arrlfieldday2023 #fairlawnnj

Note: Bonus points for satellite QSO, GOTA QSOs and web submission will be automatically determined from info entered elsewhere on this form.

---

**Band/Mode QSO Breakdown:** Do not list GOTA QSOs in this section. [\[i\]](#)

Score - 2,404 Points					
Contest: FD					
Band	Mode	QSOs	Pts	Pt/Q	
3.5	CW	109	218	2.0	
3.5	LSB	63	63	1.0	
7	CW	72	144	2.0	
7	LSB	211	211	1.0	
14	CW	177	354	2.0	
14	USB	112	112	1.0	
21	CW	29	58	2.0	
21	USB	4	4	1.0	
50	FT8	19	38	2.0	
Total	Both	796	1202	1.5	
Score: 2,404					
1 Mult = 1.0 Q's					

---

We have observed all competition rules as well as all regulations for amateur radio in our country. Our report is correct and true to the best of our knowledge. We agree to be bound by the decisions of the ARRL Awards Committee. Submission of this form indicates our agreement with these statements. [\[i\]](#)



# ARRL FIELD DAY 2023

[ARRL Home](#) [Field Day Home](#) [Field Day Resources](#) [Field Day Locator](#) [Rules](#) [Entry Form](#) [Entries Received](#) [Results](#) [Soapbox](#)

## 2023 Field Day Entry - Confirmation

**Congratulations!** You've successfully submitted your Field Day entry, as well as uploaded all required documentation. Your confirmation number is **25l bmkff**. A summary of your submission is provided below for your review, as well as e-mailed to you. If you have any questions about your entry, please contact the Contest section at [contests@arrl.org](mailto:contests@arrl.org).

If you need to update your entry, enter soapbox comments or upload photos of your Field Day activities, please use the appropriate link below (also included in the e-mail sent to you).

[Link](#)

Update entry/upload documents <https://field-day.arrl.org/fdentry.php?call=w2npt&id=25l bmkff>

Soapbox comments/photos <https://contests.arrl.org/contestsoapbox.php?call=w2npt&id=25l bmkff>

## Summary

Entry received at: 2023-07-10 18:59:42 UTC

Submitted by: **Jim Cooper, W2JC** E-mail: [webmaster@FairLawnARC.org](mailto:webmaster@FairLawnARC.org)

Call Used: **W2NPT** GOTA Station Call: **(NONE)** ARRL/RAC Section: **NNJ** Class: **3A**

Participants: **40** Club/Group Name: **Fair Lawn ARC**

Power Source(s): **Generator**

Power Multiplier: **2X**

**Preliminary Total Score: 3,974**

### Bonus Points:

Bonus	Points	Status
100% emergency power	300	
Media publicity	100	Documented by 2023 W2NPT Bonus Points Summary.pdf
Public location	100	
Public information table	100	Documented by 004-info.jpg
Formal message to ARRL SM/SEC	100	Documented by 005-msg.jpg
W1AW Field Day message	100	Documented by 006-hq-msg.jpg
Formal messages handled (12 x 10, max of 100)	100	Documented by 007-FD WinLink Log 25Jun23.txt
Natural power QSOs completed	100	Documented by 009-natural.jpg
Site visit by invited elected official	100	
Site visit by invited served agency	100	
Educational activity	100	
Youth participation (1 x 20, max of 100)	20	
Safety officer	100	Documented by 013-safety.jpg
Social media	100	
Entry submitted via web	50	
<b>Total bonus points</b>	<b>1,570</b>	

**Score Summary** - Cabrillo log/dupe sheet file: W2NPT\_FD-2023.log

	CW	Digital	Phone	Total	
<b>Total QSOs</b>	387	19	390		
<b>Total Points</b>	774	38	390	<b>1202</b>	<b>Claimed Score = (QSO points x power mult) = 2,404</b>

#### Band/Mode QSO Breakdown:

	CW	Digital	Phone			
Band	QSOs	Pwr(W)	QSOs	Pwr(W)	QSOs	Pwr(W)
160m	0	0	0	0	0	0
80m	109	100	0	0	63	100
40m	72	100	0	0	211	100
20m	177	100	0	0	112	100
15m	29	100	0	0	4	100
10m	0	0	0	0	0	0
6m	0	0	19	50	0	0
2m	0	0	0	0	0	0
222	0	0	0	0	0	0
432	0	0	0	0	0	0
Other	0	0	0	0	0	0
Satellite	0	0	0	0	0	0
GOTA						
<b>Total</b>	<b>387</b>		<b>19</b>		<b>390</b>	

Send comments or questions about this page to [ARRL Contest Manager](#).

Version: 1.15.0, Revised: July 6, 2023

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# The Resonator

Official Newsletter of The Fair Lawn (NJ) Amateur Radio Club

Volume 8, Number 7

[www.FairLawnARC.org](http://www.FairLawnARC.org)

July 2023.

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## From The President

June was a big month for FLARC.

Our Hamfest on June 10 was a great success. Sponsorship was fantastic this year through efforts led by Ed WX2R and Gene WO2W. Vendor and buyer participation was good. Sales were good. Food quality and sales were excellent thanks to Gene, Judith KC2LTM and Fred W2ABE. Bruce NJ2BK kept spirits light at the sellers' gate with humor that seemed to be enhanced by a bit of 5:00 AM punchiness. The weather was good. We all had a great time, and everything ran smoothly thanks to the efforts of our Chairman, Gene WO2W. (Apologies for the many names I'm leaving out. I'm a bit under the gun with work responsibilities this month.)

This year's Field Day on June 24-25 was also a blast. We configured the field at Memorial Park differently this year due to threatening weather. Instead of setting up each station in its own tent, we set up all stations in the pavilion. This created a more social atmosphere that everyone enjoyed. It also simplified computer networking for logging. The overnight experience has become my favorite aspect of Field Day, although three hours of sleep needed to be supplemented by a good nap on Sunday afternoon. Skip KD2BRV did an outstanding job with our food and beverage. Again, thanks to everyone who participated, and especially to our Field Day Chairman, Noel W2MSA who knocked it out of the park again this year.

We are pleased to announce that Ed WX2R has accepted a position as Public Information Officer for HamSCI, an organization led by Dr. Nathaniel Frissell W2NAF that works at the intersection of amateur radio, atmospheric studies, and space physics. Ed has served long and well as our Marketing Committee Chair and Editor of the Resonator, and we thank him for his years of dedicated service in these roles from which he is stepping down. Thankfully, he will remain on board as an active member, so we won't lose all the drive and energy that he brings to FLARC, the club that he loves dearly.

Continued on next page.

## Member Profile

NAME: Ed Efchak      CALL: WX2R

### How did you get interested in ham radio?

My uncle had an old Hallicrafters S77A in his basement in Garfield that I always listened to when I was a kid. It peaked my radio interest, and I became a licensed CB'er (KMD4346) and also a shortwave DX'er using a Lafayette HA-63 receiver. Listening from Radio Moscow to the Windward Islands broadcasting service in the middle of the night had me hooked. I sent in my monthly reception reports to the Radio Canada Shortwave Club (member #4418).

I got my ham license in 1975 (WN2AIV) then became KB2IKI and later WX2R, which is not a vanity call. I wanted a 2x1 call badly before they expired and worked hard to get up my code speed and pass the exam.

That's the technical side. As someone who worked in the media business, I found the events and people who make up the world to be fascinating and ham radio has filled a niche of camaraderie and understanding.

I can always remember watching the 1967 television broadcast "Our World" which was the first global use of live satellite technology and I was drawn to the fact that we can all be in the same moment at the same time through technology—and that is what ham radio is all about.

Btw, I still have my uncle's old Hallicrafters and my vintage 1965 Lafayette on my shack shelf as a reminder of whence I came.

### What parts of the hobby most interest you?

I've always been interested in CW — it's the German I never mastered in high school. Monitoring still holds a high interest as do satellites.

I am also very interested in the business side of the hobby — how some clubs succeed while others do not; the (lack of) innovation and how the various entry points to the hobby make creating a coherent marketing message difficult. It combines my business interests with my hobby and it's a neat intersection of ideas and applications.

### What does belonging to FLARC mean to you?

### How do you/can you better contribute to the club?

Being a part of FLARC has been one of the most rewarding experiences I have had in life, and I have been fortunate to have had many. I have made many friends (too many to mention individually) and have had the personal satisfaction of helping to grow the club in membership, interests, activities and financially. Having been both an officer and trustee has been especially rewarding.

## From The President, continued

We are also pleased to announce that our Secretary, Jim W2KNG has stepped into the role of Editor of the Resonator. As a successful Manhattan attorney (retired) and Professor of Law at Fordham University, Jim has built his career on his command of written and verbal language. He is a tremendous asset to our club and to the board, and we look forward to his contribution as Editor of the Resonator. Jim is also leading an effort to ensure that our members are free from personal liability exposure. More on this soon.

We are also pleased to announce that the board vacancy left by Trustee, Steve KA2YRA, who has moved out of the area, has been filled by former FLARC President, Judith KC2LTM. Judith brings tremendous administrative and organizational skills to this position. She gives her all at every FLARC event, and we look forward to her contribution once more in an official capacity.

Special thanks to Fred W2ABE for his efforts as Member Outreach Committee Chair. Fred has knocked it out of the park by organizing and executing a plan to reach out to paid members who are not active. We've seen the fruits of his efforts already, as Tom (apologies, we did not record your call sign) announced at our July 7 business meeting that he was present because Fred had called him. And Fred is just getting started.

Upcoming events include the Sussex Hamfest on July 16 and FLARC's hosting of W1AW/2 for the week of August 8. Sadly, there will be no Vanfest this year following the Sussex Hamfest, but fortunately this is for an excellent reason—Van is getting long awaited construction done on his home to repair damages from flooding last year.

Gene WO2W and Fred W2ABE (and perhaps others) will be selling at Sussex this year.

Volunteers are needed for W1AW/2, as we will be needing operators 24/7. Be on the lookout for a signup web form that will be announced by our webmaster, Jim W2JC in coming weeks.

This has been a great summer for me so far, and I trust that you can say the same. Enjoy this active season, stay safe, stay connected to your fellow FLARC members and get on the air!

73,

Dave Corsello, KD2JIP

FLARC President

Continued on next page.

## Member Profile, continued

I've always been a "joiner" to organizations, and FLARC was a natural fit for me with the assets at its disposal and living in the borough. As with my long career in the media business, it has been a springboard for other activities and for other amateur radio organizations.

I've become ARRL NNJ PIC as a result and now am Public Information Officer for HAMSCI – a cause I deeply believe in.

Until recently, it has always been fun. With HAMSCI now about to take a good deal of bandwidth, it might be best to be a FLARC backbencher for a while and let others pick up the reigns for this newsletter, club speakers, and other club activities and hopefully I can find more time to operate.

### What should be the club's priorities in the next year?

I would think that next year will be spent much like 2023, attracting members to the clubhouse, creating new and different activities, retaining & attracting new members and mending fences. I won't say that we are at a membership inflection point, but I do worry about it for a lot of reasons.

All clubs have their cyclical ups and downs and let's hope that we are still on the ascent. But we should take nothing for granted. The member base is basically strong and committed to growth.

The needs of its members are changing, and we need to adapt to them. We should focus on mutual macro interests and have fun — helping members to learn, share and understand this delightful hobby we licensed ourselves to.

### What else can you tell the club about yourself and/or ham radio?

When I was a kid, I wanted to be an astronomer but a lousy chemistry teacher in high school finished off that dream. I have a 6" reflector which I take out every once in a while, and think of what might have been. I also had a fling at wanting to be a musician (saxophone) but, luckily, that went nowhere.

Then I discovered publishing and marketing. I was hooked. Much like David Ogilvy, I became a marketer by being a market researcher first; sort of left brained/right brained combination of skills. So that's where the FLARC member survey came from!

Now mostly retired, in real life I remain the President of Customers by Design LLC – a teeny, tiny marketing and research boutique agency focused on customer and revenue development in the media, retail, transportation and health care sectors. Full disclosure, it no longer pays the bills.

Prior to creating CBD (now a great abbreviation btw), I was Vice President Marketing for North Jersey Media Group (The Record) responsible for its 47 print and digital

## 2023 Member Profiles

Month	Name	Call Sign
January 2023	Victor	WA2RCC
February	Tom	KB2ESE
March	Mitch	W2MDE
April	Dave	N3UXX
May	Gio	K2GIO
June	Ed	WX2R
July		
August		
September		
October		
November		
December		

publications and four television stations in its heyday; and then partner and Vice President Marketing for Belden Interactive, an early digital marketing agency.

I am currently a member of the Board of Directors of the New Jersey Press Association. I am a past President of the International News Media Marketing Association (INMA) and have served as a trustee for the National Council on Public Polls (NCPP), President of the Newspaper Research Council (NRC), and President of the Newspaper Association of America (NAA) Research Federation. I am also honored to be a member of the New Jersey Advertising Hall of Fame. I would not have picked me for that.

### What other ham related clubs or organizations do you belong to?

I also belong to The Addison County (VT) Amateur Radio Association (ACARA), The West Palm Beach Amateur Radio Group (WPBARG), The Chelmsford (UK) Amateur Radio Society (CARS) and the Frankford Radio Club (FRC). But "belonging" to another club is not the same as being an active "member" of FLARC.

I also belong to AMSAT, POTA, SOTA, QCWA, The Association of Old Crows and am Epic #26700.

Of course, I belong to the ARRL but also the RSGB, RAC, and The Radio Amateur Society of Australia.

I'm also currently a SKYWARN spotter and the ARRL NNJ PIC and a former ARRL PIO for the section.

That's my story and I'm sticking to it.

73

Ed

### Editor's note:

I had always planned my member profile to be my last as the editor. Thanks to all of you who have shared your ham and personal lives with our membership.

## Name Badges Update

As approved at the last business meeting, *The Sign Man of Baton Rouge* is now the approved vendor of FLARC name badges. Shortly after or before this edition of the newsletter appears, the order form will appear on the Sign Man's site and orders can be taken.

**NO ORDERS CAN BE TAKEN UNTIL THEN.**

We will post the announcement in the groups.io general membership section.



## 2023 Dues Are Due

Dues for 2023 will be accepted by the club starting on December 2nd with the 2022 Annual Meeting. There are no changes to dues for the upcoming year. Cutoff date was March 31, 2023. But we'll still take it!

Please make checks payable to:  
"Fair Lawn Amateur Radio Club"  
and send them to:

**Fair Lawn ARC  
– Attn: David KD2MOB  
10-10 20<sup>th</sup> Street  
Fair Lawn, NJ 07410**

Please include a member application form with your check regardless of your member status.  
It can be found near the back of this newsletter.



## THANKS to Fred W2ABE

Hello! Your quartermaster here. After spending some time dealing with our old and donated test equipment, I vowed to get the club at least one decent VOM. At first, I was looking for A/C powered units, but they seemed prohibitively expensive. Steve W2IW offered some advice as there was a \$60 to \$90 Chinese-made Fluke-clone.

Noel W2MSA also contributed some thoughts and I was planning to make a proposal to the board to obtain something. However, Fred W2ABE then heard about my search and suggested that he might have something already that he could offer to the club.

So, a **Big Thank-You** to Fred W2ABE for providing a new-in-the-box VOM for club use. It certainly came at the right price, and it will be used for many projects going forward.

-- Brian, KD2KLN



## Ever Wanted to Work As W1AW?

Beginning Monday, August 8, FLARC will have the privilege of operating as W1AW/2 as part of the year long **ARRL Volunteer of the Year** program. Our club participation lasts for one week, ending on August 15.

You may operate as W1AW/2 from either the clubhouse or from your home QTH. You may operate on any band and any mode but cannot dupe with another operator. We will look to open the clubhouse during each weeknight and on the weekend as the operator schedule permits.

This is a commitment on the part of the club, and we must submit a log of your operating activity to the ARRL as part of that commitment. Logs from our team will be collected and submitted as one report log.

Please let Jim W2JC, Van W2DLT, Fred W2AAB or Ed WX2R know if you are interested. It will be fun and a rare operating activity.

# The Fair Lawn Amateur Radio

Why is FLARC New Jersey's Most Exciting Radio Club?

## Annual and Special Events



- Field Day
- Winter Field Day
- World Amateur Radio Day
- Portable Day
- Earth and Environmental Days
- Field Trips
- Club Exchanges
- Special Events
- Public Service Activities
- Public Events
- Ham fests and Auctions
- Foxhunts
- Contests
- Youth Activities and more



## There Is Something Every Night At FLARC!

Monday: Near and Far Net

Tuesday: DMR Net and Open House at the clubhouse

Wednesday: ARES/RACES Net

Thursday: Tech Net

Friday: Open House at the clubhouse or *Kawfee Tawk* Speaker Series (Monthly via Zoom)

Weekends: Open House at the clubhouse, POTA and other station activations, Contests, Foxhunts



## Special Interest Groups

- Portable Ops (POTA, SOTA, etc.)
- DX: Chase the rare ones
- Digital Voice: DMR and other modes
- FT8: Plus, other WSJT modes
- Satellite: Also, for weather interests
- Monitoring: SWL and other listening
- Contesting
- EMCOMM
- Radio Direction Finding
- Raspberry pi, Arduino



## Plus:

- A five-position operating station clubhouse
- An active repeater—W2NPT linked with NJ2BS.
- New antennas on the roof
- Monthly VE testing
- An award-winning newsletter
- Monthly speaker programs
- Educational programs and activities
- Active in-person and social networking
- An extensive video education archive

## That is Why FLARC Is the Most Exciting Club Around!

Come join us in-person or via Zoom for more activities, speakers, and projects!

[www.fairlawnarc.org](http://www.fairlawnarc.org)



## FLARC Annual Hamfest — June 10, 2023





## A Thanks To All Our 2023 Hamfest Sponsors!



Easy Way Ham Books

Hamsource

Kantronics  
~~~~~

KB<sup>3</sup>



WAYNE ELECTRONICS LLC

**The Club** Fair Lawn ARC is the fastest growing ham club around, with five operating positions in a permanent clubhouse. Visitors and guests are always welcome. The club is open every Friday night, except when there is a Kawfee Tawk scheduled, from NLT 6:30 PM. Business meetings are the first Friday of the month at 7:30PM.

#### 2023 Officers, Committees and Assignments

|                             |                     |        |
|-----------------------------|---------------------|--------|
| President                   | David Corsello      | KD2JIP |
| Vice President              | Lee Smith           | KD2DRS |
| Treasurer                   | David Gotlib        | KD2MOB |
| Secretary                   | Jim Jalil           | W2KNG  |
| Trustee                     | Fred Wawra          | W2ABE  |
| Trustee                     | Brian Cirulnick     | KD2KLN |
| Trustee                     | Judith Shaw         | KC2LTM |
| Field Day                   | Noel Pagan          | W2MSA  |
|                             | Steve Rosman        | KA2YRA |
|                             | Steve Wraga         | WA2BYX |
| <b>Member Services</b>      |                     |        |
| <b>Health &amp; Welfare</b> | Judith Shaw         | KC2LTM |
| <b>Marketing</b>            | Nomar Vizcarrondo   | NP4H   |
|                             | Jim Cooper          | W2JC   |
|                             | Dave Corsello       | KD2JIP |
| <b>Program</b>              |                     |        |
| <b>Video/YouTube</b>        | Thom Guida          | W2NZ   |
| <b>Social Media</b>         | Brian Duddy         | N2BTB  |
|                             | Thom Guida          | W2NZ   |
|                             | Dave Marotti        | NK2Q   |
| <b>Photographer</b>         | Giovanni Lucero     | K2GIO  |
| <b>Community Relations</b>  | Gene Ottenheimer    | WO2W   |
|                             | Dave Gotlib         | KD2MOB |
|                             | Ed Efchak           | WX2R   |
| <b>Hamfest</b>              | Gene Ottenheimer    | WO2W   |
|                             | Nomar Vizcarrondo   | NP4H   |
| <b>Auction</b>              | [open]              |        |
| <b>Education</b>            | Bill Kelly          | NB1LL  |
|                             | Earle "Skip" Barker | KD2BRV |
|                             | Paul Brennan        | N6FB   |
| <b>Net Scheduler</b>        | Brian Cirulnick     | KD2KLN |
| <b>Contests</b>             | Lowell Vant Slot    | W2DLT  |
| <b>FLARC Historian</b>      | Fred Belghaus       | W2AAB  |
| <b>Webmaster</b>            | Jim Cooper          | W2JC   |
| <b>Technical</b>            | Jim Cooper          | W2JC   |
|                             | Paul Cornett        | W2IP   |
|                             | Brad Kerber         | KM2C   |
|                             | Fred Wawra          | W2ABE  |
| <b>RACES/ARES Director</b>  | Dave Gotlib         | KD2MOB |
| <b>RACES/ARES Liaison</b>   | Steve Wraga         | WA2BYX |
| <b>Newsletter Editor</b>    | Jim Jalil           | W2KNG  |
| <b>Newsletter Publisher</b> | Jim Cooper          | W2JC   |
| <b>Quartermaster</b>        | Brian Cirulnick     | KD2KLN |
| <b>W2NPT Trustee</b>        | Paul Cornett        | W2IP   |
| <b>NK2H Trustee</b>         | Ed Efchak           | WX2R   |

President serves as ex officio to all committees

## 2023 Field Day Update



## Letters:

### A New Addition to *The Resonator*

The editor has received a lot of nice notes, letters and comments about this newsletter and the club in general. We have not published them in the past but going forward we will at least try.

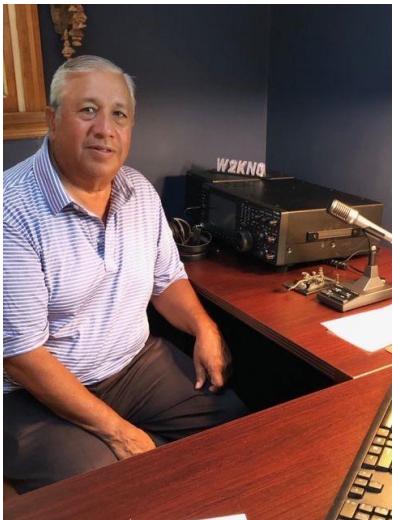
#### Here are the grounds rules:

- Please keep all comments as brief and succinct as possible.
- No personal attacks.
- No political rants.
- No comments promoting violence, racism, religious intolerance, vulgarity, obscenity, or other such discourteous behavior.
- The Editor reserves the right to exclude any comments that violate our guidelines and may subject the writer to further disciplinary action by the club.

PAY YOUR  
DUES NOW!

## Welcome *The Resonator's* New Editor

A warm welcome to James Jalil W2KNG who is taking the editor's reigns of FLARC's monthly newsletter, *The Resonator*, starting with the August issue. Jim currently serves as Secretary for FLARC and has participated in many FLARC activities.



Let's not only send best wishes but also contributions to the newsletter which help keep it fresh and vibrant.

Jim takes over from Ed Efchak WX2R, who is stepping down after nearly eight years as editor. Ed was also editor of *The Resonator*'s predecessor, *QUA*. Ed is now taking over the marketing and public relations duties for HamSCI, the Ham Radio Science Citizen Investigation, to increase awareness and participation in the two upcoming solar eclipses in North America.

## Thanks to all our Independence Day Fireworks Volunteers!!

July 4<sup>th</sup> came a bit early on June 29<sup>th</sup> as the club once again provided vital communications for the Independence Day fireworks celebrations sponsored by the borough.

Thanks to all who participated:

Fred W2ABE, Gene WO2W, Noel W2MSA, Lee KD2DRS, Steve WA2BYX, Ed WX2R, Thom W2NZ, Nelson KD2BVZ, Skip KD2BRV, Judith KC2LTM, Jim B N2JLF (for both the club and CERT) and both Roz KD2GKA and Dave KD2MOB for CERT.

## LETTERS



### Why there should be a Member At Large at the Fair Lawn Club

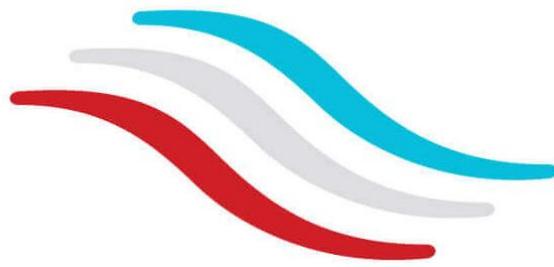
— from Fred Wawra W2ABE

The function of the Member at Large should be to provide an interface between club members and the board of directors in such a way as to give members a voice in the policy making of the board members. This is why the Member at Large needs to be part of the board so as to provide that necessary interface between the board and the club members.

The Member at Large would also provide outreach to the club members who are not active and thereby be part of the Member Engagement Program which must be an ongoing program. This means taking members' concerns directly to the board by means of one person, which would eliminate some possible confusion as to who said what and when. That is why the Member at Large position needs to be a voting member otherwise that ex officio position would be ineffective and nonproductive.

I understand that adding a member to the board would pose a problem in that there could be tie votes within the board. This can be avoided by having one of the trustees be the member at large replacing the trustee position on. The other option on would be to add another trustee along with the member at large thereby making up a board of nine members. The club has a large membership so adding another trustee would not be unrealistic. The member at large could head an outreach committee with the trustees as part of that committee. The member at large would be the responsible party reporting to the board.

Fred Wawra W2ABE, 73.



# FlexRadio



Hidetsugu Yagi's 130th Birthday Google Doodle

## Follow FLARC ON THE WEB

Facebook: <http://facebook.FairLawnARC.org>

Twitter: [@FairLawnARC](#)

Blog: <http://blog.FairLawnARC.org>

Youtube: <http://youtube.FairLawnARC.org>

Website: <http://FairLawnARC.org>

## SIG Group Participation

### as of June 27, 2023

Here is an update on the roster of Special Interest Groups...many groups have increased in size during the last month. About 45% of all members have joined at least one group.

|                         |            |
|-------------------------|------------|
| EMCOMM                  | 12         |
| Contesting              | 14         |
| Digital Voice           | 32         |
| Monitoring              | 28         |
| DX                      | 19         |
| FT8                     | 24         |
| Satellite               | 20         |
| Portable Ops            | 47         |
| Raspberry pi            | 7          |
| Direction Finding (NEW) | 5          |
| <b>FLARC General</b>    | <b>166</b> |

Sign up for a group... or ...

why not start one?

Contact [webmaster@FairLawnARC.org](mailto:webmaster@FairLawnARC.org)  
if you would like to start a new  
Special Interest Group.

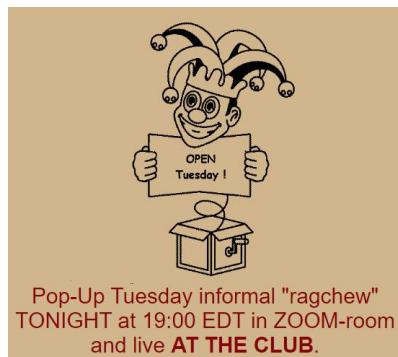
# The Clubhouse Is Open Three Fridays In July!!

| Date    | Clubhouse Status                                        |
|---------|---------------------------------------------------------|
| July 7  | CLOSED – Business Meeting at<br>Fair Lawn Senior Center |
| July 14 | OPEN                                                    |
| July 21 | OPEN                                                    |
| July 28 | OPEN                                                    |
|         |                                                         |



**Pop-Up Tuesdays are now in-person at the club  
as well as in the Zoom-room.**

The club will follow all borough COVID-19 requirements for these events.



Pop-Up Tuesday informal "ragchew"  
TONIGHT at 19:00 EDT in ZOOM-room  
and live **AT THE CLUB**.



## AMATEUR RADIO TESTING BY THE FAIR LAWN AMATEUR RADIO CLUB

On July 15, 2023 the Fair Lawn Amateur Radio Club will continue amateur radio test sessions on a modified basis.

These sessions will be held at the **Fair Lawn Amateur Radio Club**.

The location is at 10-10 20th Street, Fair Lawn, NJ

The session starts at 9:15 AM.

A document will be provided to you prior to the date to indicate the time assigned to you.

You must have it with you to take the test.

Prior to Testing:

Send an email to [wo2w@arrl.net](mailto:wo2w@arrl.net) requesting to book your spot.

## PRE-REGISTRATION IS REQUIRED - NO WALK-INS ACCEPTED.

Upon Arrival:

You must have a government issued ID such as a valid driver's license or passport, a filled out Form 605, and **3 filled out copies of the FCC CSCE form**.

Please Bring With You:

You MUST bring and WEAR personal PPE items including a face mask.

2 pens and 2 pencils. None will be provided to you, due to possible virus transmission.

Your FRN number, and (if licensed) a copy of your ham license or a valid CSCE (Certificate of Successful Completion Exam).

Additionally, the **\$15.00 exam fee**. This is payable in cash (exact amount is a must).

For information and scheduling, please contact:

Gene/WO2W

[WO2W@arrl.net](mailto:WO2W@arrl.net)

Visit our website at [www.FairLawnARC.org](http://www.FairLawnARC.org) and <http://bit.ly/FLARC-Testing>

## Pandemic Theatre • July 2023

Single sideband modulation revolutionized electronic communication, but where did the idea come from? Antique Wireless Association Curator Emeritus Ed Gable, K2MP, tells the surprising story of single sideband.

<https://www.youtube.com/watch?v=BBRntPJTr5Y&t=908s>

— • • • —

**Special Note:** As non-profit, the IRS now requires that we disclose annually the use of paid lobbyists to our members and indicate approximately what percentage of their dues goes toward that. 0% of your 2021 dues payment will be used by the club to directly pay a lobbyist firm to lobby on behalf of all our members regarding pending legislation that impacts our hobby.

## Want a Call Sign License Plate?

Amateur Radio (Ham operators) license plates may be purchased for a \$15 fee, for passenger vehicles, but not for commercial vehicles or motorcycles. (Applicants must be licensed by the Federal Communications Commission.)

Call MVC at 609.292.6500 or  
(toll free in NJ) at 888.486.3339  
to request an application.

The club has applications from time to time. If you would like an application, visit the "contact us" page, and we'll get one out to you.. or find the form and detailed instructions at:

<https://www.state.nj.us/mvc/pdf/vehicles/SP-23.pdf>



## The Resonator Is Now Archived!

Ever wanted to search for something in *The Resonator*? Maybe a member profile. Perhaps a past Street Fair. Even who participated at Field Day in 2017.

Now you can. *The Resonator* has now been accepted as part of the Digital Library of Amateur Radio and Communications. DLARC is a project of the Internet Archive (the not-for-profit online library best known for *The Wayback Machine*.) DLARC is growing to be a massive online library of the past and present of ham radio and related communications. It is funded by a grant from Amateur Radio Digital Communications.

When you need to find something, go to:

<https://archive.org/details/flarc-resonator>

You can use the search "text contents" field to do a full-text search on all issues or click "Date Published" to see them sorted by publication date.

You know our little newsletter is cool.

Now a lot more hams around the world will as well.

## Get Direct With FLARC!

Here is a direct link to specific club info: just a click away!

<http://apparel.FairLawnARC.org>  
<http://auction.FairLawnARC.org>  
<http://blog.FairLawnARC.org>  
<http://calendar.FairLawnARC.org>  
<http://events.FairLawnARC.org>  
<http://exams.FairLawnARC.org>  
<http://facebook.FairLawnARC.org>  
<http://news.FairLawnARC.org>  
<http://swap.FairLawnARC.org>  
<http://tech.FairLawnARC.org>  
<http://youtube.FairLawnARC.org>

<https://groups.io/g/FairLawnARC>



## Online License Testing!

Are you looking to get your license or upgrade without leaving your home? All you need is a laptop computer with a video camera.

There are number of sites listed on [hamstudy.org/sessions](https://hamstudy.org/sessions). These folks will walk you through taking an exam online.

I have worked with both WB5QNG and AA7HW. If you have any questions, please contact me at [mStevenk2sab@gmail.com](mailto:mStevenk2sab@gmail.com)

73, Steven Boston K2SAB

## Vast Archive of FLARC Activities and Info

Members are reminded that we have a large archive of YouTube videos of our previous many years of Kawfee Tawk™ presentations, which cover many aspects of ham radio. Our mostly unsung hero club videographer, Thom W2NZ, has spent thousands of hours of his own time creating really professional quality videos of these 167 presentations. Visit our club YouTube page and you will see all of them listed on the main page, at <http://youtube.FairLawnARC.org>

Another large and rather unused archive is that of our seven years of the club newsletter, The Resonator. They provide a nice historical record of the many activities of FLARC over the years, as well as lots of useful info about ham radio and electronics. The entire archive is at <http://newsletters.FairLawnARC.org>

And don't forget the FILES area of our groups.io website, where useful and important info is saved:

<https://fairlawnarc.groups.io/g/main/files>

## Renew Your ARRL Dues... Send Free Money to FLARC!

The ARRL has a great program to support affiliated clubs in that it sends part of your dues back to the club if you renew through the club.

So... when you get your ARRL renewal, send both your check and your renewal application to David KD2MOB, our trusty Treasurer, who will take care of getting your renewal to Newington and a fat check for \$5.00 back to FLARC.

Nothing can be simpler...  
you just have to remember!!

*Print and use the  
form on page 39  
of this issue of*

**The Resonator**



## Club Apparel — Get Them While They're RED!

Club apparel is always in vogue. Red is always "in" and your club friends all have them... you want a shirt or jacket for the next FLARC event! Great for Field Day!

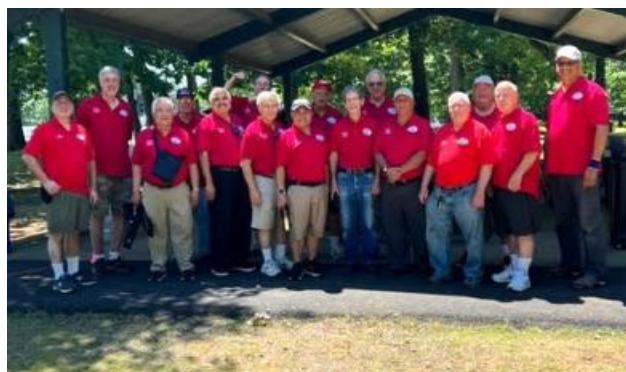
Don't forget.... they're easy to order.

Go to [www.hamthreads.com](http://www.hamthreads.com)

or visit <http://apparel.FairLawnARC.org>

**Check out the item selection that is posted on the FLARC website (with pictures and prices).** Order the shirts or other items you want with either the regular FLARC logo or the still-cool 60th anniversary logo. Note: **RED** is the primary and preferred club standard shirt color.

And why not WEAR your nice red shirt when you come to the club, especially for meetings and events.



It's easy to spot FLARC members  
with their red club shirts !

**Ham Radio Is Contagious  
And It Won't Make You Sick!!**

**2023 FLARC Nets On The  
W2NPT Repeater:**

**Near and Far Net Mondays at 8PM**

**W2NPT and NJ2BS Repeaters**

## 2022 Member Profiles

Here are this year's member profiles. An index of previous years can be found elsewhere in this issue. All profiles can be found in the newsletter archives on the FLARC website.

| Month        | Name   | Callsign |
|--------------|--------|----------|
| January 2022 | James  | KB2FMH   |
| February     | Brian  | N2BTD    |
| March        | Luisa  | KD2YWX   |
| April        | Ria    | N2RJ     |
| May          | Telly  | WW2SPY   |
| June         | Ken    | W2SCT    |
| July         | Avanti | KC3DZG   |
| August       | Norm   | KB2JRP   |
| September    | Ahmed  | W2/HC2AP |
| October      | Mitch  | KD2IIU   |
| November     | Mike   | KD2YEW   |
| December     | Robert | KD2SOG   |

### BEQUEATHS AND DONATIONS

Planned gifts usually imply the family donation of amateur equipment to the club when someone has become a Silent Key. But it can be more. Club members might consider making a gift through a will or trust; gifts that help provide lifetime income to the club. Consult with your lawyer, estate planner or tax advisor if you feel such as gift is worthy.

## About The Club

The Resonator is published monthly and is the official (and only) newsletter of The Fair Lawn Amateur Radio Club. FLARC was established in 1956 and has met continuously since inception. The club is sponsored by the Borough of Fair Lawn. The club meets every Friday, except when a Kawfee Tawk is scheduled, at 6PM at the club station in The Fair Lawn Community Center, 10-10 20th Street, Fair Lawn, NJ. Business meetings are the first Friday of the month at 7:30 PM at the club, and on Zoom.

Visitors ARE ALWAYS welcome at our meetings.

FLARC operates the W2NPT repeater (145.470- PL 167.9) located high atop the Community Center. The analog repeater is open to all amateurs for use without restrictions.

The club has nearly two hundred paid members.

Dues are currently \$25 per year;  
\$20 for new members.

For more information, please see our website, at  
<http://membership.FairLawnARC.org>

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Thanks!  
for your  
Support!!

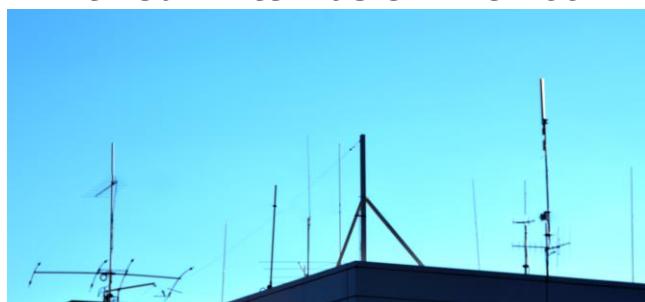
This is YOUR club.... Be a part of it !!

## MARKETING COMMITTEE NEWS

The Publicity Committee is now the Marketing Committee and is working to spread the good words about FLARC and help get all members involved. Interested in joining? Drop a note to [wx2r@arrl.net](mailto:wx2r@arrl.net).



**FAIR LAWN'S  
COMMUNICATIONS CENTER!  
With Our Antennas On The Roof!**



## Blood Donors Needed In This Time Of Emergency

The Red Cross and related organizations are in great need for blood donations since most corporate blood drives have been cancelled. This has become acute recently.

### [Communitybloodservices.com](http://Communitybloodservices.com)

has a network of offices open during the week and would really welcome folks making appointments to donate blood.

Dear fellow Amateur Radio Operators,

The American Red Cross (ARC) in New Jersey is working on a project where Amateur Radio Operators (HAMS) would support Red Cross internal emergency communications during a disaster. Red Cross sites can be shelters, warehouses, points of distribution, family reunification centers, community reception centers, and other sites where the Red Cross is supporting disaster response and recovery missions.

We are seeking HAMS to support these sites as a backup for conventional communications that may fail during a disaster. This work is in direct support of safety of life and protection of property (47 CFR § 97.403).

Currently, we are only looking for names of operators who would be interested in helping and their location within the state. The how will come after we know the who.

We are looking for HAMS to work as partners, either as an individual or with an organized group (club, ARES, RACES). We are not looking to take anyone away from their other committed roles that they would perform for their communities.

We have split the state into three territories, North-Central-South, each containing seven counties, with communications being provided within the territories and the state.

The Red Cross will provide free disaster training to better understand what we are doing, as well as drills and exercises. Your commitment will be to attend training, drills, and exercises when you are able to and based on your ability to participate at the time that a disaster strikes.

If you are interested in helping or learning more about this opportunity to use your amateur radio license in support of emergency communications in New Jersey, please fill out the form, at the link below.

73, ARC Assist Committee

Ed K2BED • Mike KC2UOA • Peter S, not yet licensed • Bill NB1LL

Form is at <https://forms.office.com/r/tqmB8cBV3F>



## FLARC June 17, 2023 VE Testing Results

With VE testing back on schedule, Gene W02W reports the following results:

| Name           | Call   | License Earned |
|----------------|--------|----------------|
| Anne Hlinka    | KE2BOJ | Technician     |
| Laura Gregory  | KE2BAM | Extra          |
| Wayne Linteris | KE2ABT | Extra          |
|                |        |                |
|                |        |                |
|                |        |                |
|                |        |                |
|                |        |                |
|                |        |                |

Testing for July 15<sup>th</sup> will be at the Fair Lawn Recreation Center - with "Covid Restrictions."

See page 12 of this Resonator copy, and also the FLARC website for the latest details.

## Ten Special Interest Groups [SIGs] Already Formed: Any Others?

A new SIG—Radio Direction Finding—has started under the tutelage of Bob KD2BKD. Club interest continues to grow in the SIGs.

Another recently formed SIG is for those interested in Raspberry Pi and Arduino projects, but now includes DoltYourself (DIY)/Makers kit building, 3D printing and similar topics – also managed by KD2BKD.

A list of all of the current SIGs is shown on page 6.

Other possible groups, from the member survey, include:

- *Radio Propagation*
- *Antennas and how they work*
- *Ham radio software*
- *Technical assistance to club members*

Anyone interested in leading any of these groups...?

Please contact [webmaster@FairLawnARC.org](mailto:webmaster@FairLawnARC.org)



*Image from May, 1926 QST, courtesy ARRL*

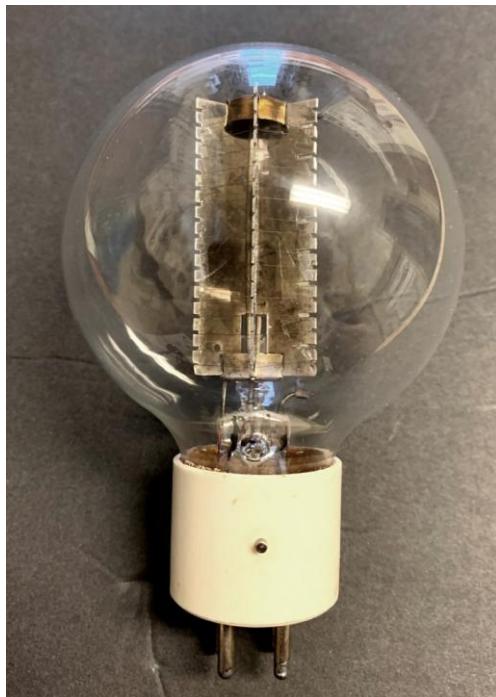
## The Way We Were

By Fred Belghaus W2AAB

Due to my recovery period from some surgery, my regular column will appear next month. Thanks to all for their good wishes. -- 73, Fred W2AAB

### What Is It? – July, 2023

By: Fred Belghaus W2AAB



Well, well... here's another one of those old fashioned glass bottle type things. I've wanted to try to stump you all with one for some time, but Bill Leger WA2WL actually suggested this on his own. He even took the picture for us of one he has. So, here it is. This should be an easy one, right? So tell me...

- What is it?
- What was it used for?
- About when was it made?

73,

Fred W2AAB

**What Is It? – Answer To Last Month's Question**

**By: Fred Belghaus W2AAB**



As usual, our pair of tech gurus came up with the correct answer.

Thanks to Bill WA2WL and Alan WB2HJZ for playing and once again proving their tech savvy.

So what is it?

It's a Russian, Soviet-era potentiometer (viewed from the back). The markings reveal a part number, "PP3-43," and the value appears to be either 10 ohms or 10 Megohms, with a tolerance of +/- 10%. I lean more towards the Megohm rating.

The figures "VII-69" is apparently the manufacturing date (July, 1969).

The body material looks like injection molded plastic. The front view reveals a very short rotor shaft slotted for adjustment with a flat screwdriver.

73,

Fred W2AAB

## **Editorial : End of an Era**

You may have noted earlier that this is my last issue of *The Resonator* as its editor. When I returned to the club back in 2015, I noticed that we were no longer doing a newsletter.

*The Resonator's* predecessor, *QRX* (which I was also the editor for a while), met its demise somewhere in-between 1998 when I left the club to get married and move to Vermont and then return.

Karl W2KBF gave the resurrected newsletter its name. Our gritty little slogan: "The only newsletter in the world that gives a damn about FLARC" made its debut with Vol 1 No 1. It remains true.

My vision for this publication was based on experiences I have had while consulting with local weekly newspapers, especially in the Midwest. The successful ones were those that were local, folksy, and only about "us." Pictures and names; lots of names.

In the business it is called "chicken dinner news." No fluff. No filler. Nothing you could get from anywhere else, unique content by another name. That has been its secret sauce from the beginning, and I hope whoever volunteers for this job can remember and practice it. May its formula make it easy to replicate going forward.

This little publication has grown from eight pages at its inception to an average of usually more than 50 pages every month.

I owe my gratitude to you, dear readers, and to our many contributors: Fred W2AAB, Hal N4GG, Dave N2AAM, Fred W2ABE, Van W2DLT, Bob KD2BKD, Noel N2MSA, Steve KA2YRA and Jim W2JC. There are many, many other contributors who each month volunteer their time and skills to make for the fun reading it is.

My special thanks go to Jim W2JC for being my co-conspirator every month. He kept me honest and caught my inconsistencies; of which there are usually many every month. I write fast; he reads slowly, which is the way it should be.

I shall miss our monthly layout get-togethers. His institutional memory alone should keep this publication hopping. He is a friend.

There is an old saying: "when one door closes, another door opens." This door is closing for me under serendipitous circumstances — a new one that offers a different challenge is just ahead.

One thing is certain. I will look forward to reading about FLARC in *The Resonator* as eagerly as writing for it.

And always being a member of FLARC, the best club around.

DE Ed WX2R

--30--



**Remember:**  
**Ham Radio Is a Contact Sport!**

## Radio Monitoring Special Interest Group Update

[monitoring@FairLawnARC.groups.io](mailto:monitoring@FairLawnARC.groups.io)

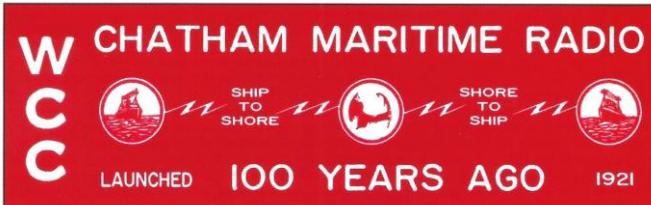
A Special Interest Group SIG for those interested in SWL and other radio communications monitoring.

While my wife was taking a painting workshop, I had the opportunity to stop in at the Marconi/RCA wireless receiving station in Chatham, MA. The transmitting site was in nearby Wellfleet, but is no longer existent.

The Marconi/RCA-Wireless Museum started with Guglielmo Marconi's 1914 construction of this site.



Dubbed "The World's Greatest Coastal Station," the museum building was once home to the largest ship-to-shore radiotelegraph station in the United States. Established in 1921 by the Radio Corporation of America, it was known to mariners worldwide as Chatham Radio, WCC. Marconi, parenthetically, never visited there.



WCC was the busiest ship-to-shore station on the East Coast during most of the 20th century. Not only did WCC relay vital messages to ships around the world, but it also provided communications to brave aviators and bold adventurers – Charles and Anne Lindberg, Amelia Earhart and Howard Hughes. During World War II, the U.S. Navy operated the Chatham station as secret "Station C" whose mission it was to intercept coded messages from enemy surface vessels and submarines, helping to win the Battle of the Atlantic.

Permanent exhibits include videos about Marconi's life and the role of WCC in world events, the authentic working shipboard radio from the hospital ship *USS Hope*, artifacts from important periods in WCC's history, and an opportunity for visitors to practice Morse code as well as to experiment with the Enigma code of WWII.



The 11-acre site also has an antenna trail where you can walk and view the array of dipoles and rhombics. The main towers are now homes for nesting ospreys but make for interesting viewing as you approach the site.



Being a ham, I received a personal guided tour and got the chance to visit the WCC Amateur Radio Association W1WCC club station also located inside. Nice, but not W2NPT.



— Reported by Ed WX2R



## The 2023 FLARC Monitoring SIG

### Medium Wave Daylight DX Challenge.

This is an idea “borrowed” from The NJ Antique Radio Club (Thanks!!) and brought to you by the FLARC Monitoring SIG. Let’s have some fun on good old AM.

**Sunday, August 27, 2023**

**1800-2200 EDT**

Here are the rules:

- Frequency range is the medium wave band: 520-1710 kHz
- 6 pm to 10 pm local time
- Any radio with any antenna, but must be the radio at your location (no using remote internet radios)
- The listener must hear the signal in real time.
- The stations must be ID'ed by *listening* to the signal.
- Your report should include:
  - Your name (or call sign)
  - Your receiver and antenna (stay with the same setup from beginning to end; if you use multiple setups, provide a separate entry for each).
  - Your location (you could be geographically remote); for example, on vacation.
  - The time, the frequency, and the ID of each station heard
- WINNER DETERMINED BY: **The total mileage of your top five most distant stations.**

WINNER RECEIVES: \$25.00 Gift Certificate to Wayne Electronics



Lafayette HA-63 Communications Receiver

v02

Continued on next page.

## Around the Shack

Hal Kennedy N4GG

### The Beer Can Vertical

Across one's ham career a few things will stand out. Unforgettable QSOs. Rare DX never to be worked, then worked. Awards just out of reach. Friendships. Novel ideas, like making antennas out of beer cans.

I've had more than a passing interest in beer can verticals. The concept has a rich, frothy history. It's my belief everyone should try one at least once – both the antenna and the can preparation.

Beer can verticals put out great signals and are an endless source of bemusement.

"What's the antenna there OM? You are S9 + 40!"

"Beer can vertical"

"Tell me more! Where did you get it?"

"Made it myself, starting with emptying the cans"

Beer can verticals have never been for sale. There've been no kits either. The main component (steel beer cans) was available in grocery stores for decades. Beer can verticals are built from scratch – each with its own nuances.

The first instance of a beer can vertical was documented in QST, November, 1955. The article was written by Pete Czerwinski , W2JTJ. The title of the article is stealthy (planned?). You can't find it in the QST archives by searching for "beer" or "beer can." The title is: *Budget 7-Mc. Vertical Antenna*.

The article is a great read. It's instructive. It's amusing. It's a real thing. It's not in an April issue.

W2JTJ did, in fact, solder 82 beer cans together to make a 40-meter vertical. The bottom can had the end removed – it rested on a "jim-dandy quart-sized soda bottle" – the base insulator. Soda bottles were glass in 1955. The vertical was guyed at two heights using "plastic clothesline."

A picture of W2JTJ with his antenna is shown in Figure 1.



Figure 1. W2JTJ poses with the original beer can vertical, circa 1955.

Here is the material list, circa 1955:

| Item                                    | Cost          |
|-----------------------------------------|---------------|
| 82 beer cans                            | \$0           |
| 200 ft. plastic covered clothesline     | \$1.80        |
| 3 guy-line insulators                   | \$0.36        |
| 1 soda bottle                           | \$0.05        |
| 1 hank of solder                        | \$0.25        |
| 130 feet aluminum wire (radials)        | \$2.50        |
| 4 pieces - brass welding rod            | \$0.50        |
| <u>1 can, pressurize aluminum paint</u> | <u>\$1.39</u> |
| Total:                                  | \$6.85        |

Adjusted for inflation from November 1955 to May 2023, that's \$77.44 in today-dollars.

Note the cost of the beer and beer cans was listed as zero. It was an article of faith that 82 empty beer cans would be available, antenna project or no antenna project.

Bringing the design up to date would require surprisingly few changes. It might even be possible to build one for \$77.44, the inflation adjusted budget. Yes, this is a personal challenge. Let us know how it turns out.

Continued on next page.

## Around the Shack, continued

### Thoughts on Replicating it Today

A 1950s quart-sized glass soda bottle can be purchased on eBay for \$5.

Knowing what we know now, the four 32 foot long buried radials would be better at around 22 feet and made from copper wire, not aluminum. The Wireman sells suitable copper wire for \$0.10/ft, so that's \$8.80 for the radials.

Call on your ingenuity to update the clothesline guy wires. One possibility: 210 yards of 50 lb fishing line can be had at Walmart for \$5.53.

The elephant in the room is the beer cans. In 1955 beer cans were made of heavy-gauged steel, coated with tin. The rims were easy to solder to. Today's beer cans are made from thin-walled aluminum, both too flimsy to stand 32 feet vertically and nearly impossible to solder to. There has been recent progress on these issues however, which I cover below.

Individual 1950s steel beer cans cost around \$7 on eBay. 82 of them would cost close to \$600 – that's inconsistent with the "budget" design philosophy. Searching eBay for "Large lot of steel beer cans" was more encouraging. I found a lot of 20 assorted steel cans for \$4.99 + \$10.64 shipping. Some listings include the words: "Or best offer." With diligent shopping, 82 cans might be found within the \$77.44 budget. If not, the antenna could be completed for around \$100 – still a "budget" antenna. An aside: eBay beer cans from the 1950s arrive empty.

The remaining task would be finding a suitable "hank" of 60/40 solder. Once again, eBay is a good bet.

### An Editorial Remark

From the time this antenna design first surfaced, well meaning but misguided persons have suggested soda cans and even SOUP CANS could be substituted. Setting aside the puns that come to mind, I have never encountered a successful "soup can vertical." Can antennas of the non-beer variety are wrong on every level.

### Can Antenna History

My brother-in-law Mike, WS4Q (WN2GJG in those days), built one in 1964. I helped with the soldering. I recall the first attempt to put it up resulted in it folding over somewhere near the middle. After repair and with

## Digital Voice SIG Update



DigiVoice@FairLawnARC.groups.io

A Special Interest Group SIG for those interested in Digital Voice modes (Digital Mobile Radio) communications and software.

DMR nets are becoming more active on Tuesday evenings at 7:00pm, Bradmeister TalkGroup 310015 only. Those with DMR radio and hotspot are welcome to join in.

Those who would like to but do not know how, join the group and ask, we will help. We would like to thank Brad for the use of TG 310015.

There is also a FLARC "digital-voice" channel on slack for "real time chat" and a sub-group on our host at

<https://FairLawnARC.groups.io/g/DigiVoice/>

For those interested in joining all the Digital Voice excitement, go to the club website <http://FairLawnARC.org> and use the "Join Special Interest Group(s)" link on the left.



Continued on next page.

## Around the Shack, continued

a larger crew (three of us) we managed to get it vertical without crimps or folds. It was a fine antenna. Those beer cans worked a lot of nighttime DX on 40. To this day Mike may hold the beer-can DXCC record (and not realize it).

At this point I'll confess I built one of these antennas myself. Mike's success was inspiring. I completed construction in 1965, but never got it up.

Soldering the cans together was the easy part. Getting it vertical eluded me. Steel beer cans are sturdy, but as the 1955 article points out, it takes three or four persons to get one of these up without having it crimp or fold over. My beer can stack and I went through numerous cycles of folding over, being repaired and folding over again. Trying to erect one of these by yourself is a fool's errand and a colossal waste of solder.

As with all great ideas, there were follow-up articles in QST over the years. The original article's author, W2JTJ, wrote a follow-up: *The "Budget" Vertical on 20 Meters*, published in the September, 1960 QST. It described a matching network to get the 82-can 40 meter vertical resonant on 20 meters. Notice the title, once again, does not include the word "beer."

For those disinclined to root around in the QST archives, here are a few excerpts from each of the salient articles.

### From W2JTJ's November, 1955 Article:

In a sidebar: The author shows considerable ingenuity in utilizing readily-available materials... [Note: QST makes no up-front mention of beer or beer cans]

...beer cans are approximately 2 ½ inches in diameter and the supply, especially during the summer months, is virtually inexhaustible.

The completed mast, glistening with the new coat of aluminum paint, is now ready for installation. The author suggests that four men be used on this job.

While two men support the mast at its center section, a third man should climb a stepladder and place the top end on a near-by first-story roof or other structure... The author accomplished these steps...experiencing no difficulty whatever. [Ha ha!]

The XYL did comment on the neat appearance of my new antenna, although she confessed that there were times, as I was soldering the cans together, when she thought I had finally lost my marbles.

### From April, 1956 QST:

The Beer-Can Antenna, Minnesota Style,  
by H. T. Orr, W0WET

...As soon as W2JTJ's article appeared... immediately remarks could be heard on the local nets, like "Say Bob, you want to come over and help me get the material ready for the new antenna?"

The first thought... was to invite the local boys over... the theory being that each person would be capable of removing the contents of enough cans to make a 6- or 10-meter vertical.

Since no silica gel was available to act as a dehydrating agent in each can, the occasional cigarette butt found in the cans was left there in hopes that it would absorb any moisture that might collect.

The only means of soldering here was a 135-watt soldering gun. The first two cans took about 10 minutes to solder. The handle of the gun was hot enough to melt solder by itself.

According to the article, the assistance of four persons is necessary... It was found that persons with interests in raising beer-can antennas were as scarce as 160-meter wide-spaced rotary beams.

At the first attempt the antenna raised almost three feet off the ground before breaking. On the second try the antenna went up almost six feet before breaking into three pieces.

If the picture of W2JTJ's finished product had not appeared in QST, we would never have believed it could be done.

We quickly made bets as to how many hours it would stay up.

### From "Strays," May, 1956 QST:

The "beer can vertical" that was described in the November, 1955 QST now is used by the Illinois State Police Department. Early in March W0EDH and W9ZJZ constructed an antenna mast out of 77 cans and erected it in front of the state police building.

...the base insulator was fashioned from a ginger ale bottle mounted in a coffee can.

The beer-can job [sic] was constructed for use with the state police 700 watt transmitter...

Continued on next page.

## Around the Shack, continued

### From "Strays," June, 1956 QST:

Perhaps it is time to call a halt to the saga of the beer can antennas. But at least let's wind it up in the following vein. First, a minister has written to ask just how he could reasonably accumulate the necessary 82 cans. This was topped only by a 13 year-old who wanted to know whether the antenna would work just as well with frozen orange juice cans!

### From September, 1960 QST:

The "Budget" Vertical on 20 Meters,  
by W. Pete Czerwinski, W2JTJ

...the author would like to make a few comments on the mechanical attributes of this antenna. It has weathered all storms over the last five years without damage. A direct hit with a baseball kinked one of the cans...I had to scare up a replacement – not a very serious problem! The original aluminum paint lasted about two years. When the labels on the cans started to show through, the XYL...

Several of the readers of the original article complained of difficulty in making solder stick to the cans.

### From "Strays," June, 1961 QST:

WA2QWF suggests that those hams who put on too much weight emptying beer cans for a beer-can vertical will be glad to know that Metrecal cans also work fine.

### A Problematic Discovery in the August, 1943 QST:

Researching subjects held near and dear can sometimes lead to discovering things you'd rather not know. Since I became licensed in 1961 I've held the belief that W2JTJ invented the beer can antenna in 1955. This may not be the case. Here is the very brief caption under a photo (Figure 2) at the bottom of page 60 in the August, 1943 QST:

"The quarter-wave vertical antenna is made up of one-quart oil cans soldered end-to-end."

Ah, an enigma. Was W2JTJ's 1955 beer can vertical inspired by W9GGI's oil can antenna from 1943? They were both for 7 Mc. (MHz). They both used lots of cans. We will never know, but my wish-bias leans in favor of W2JTJ not being influenced by W9GGI's oil can vertical. I wish to believe both are original designs. History is replete with examples of great things discovered independently by two or more people.

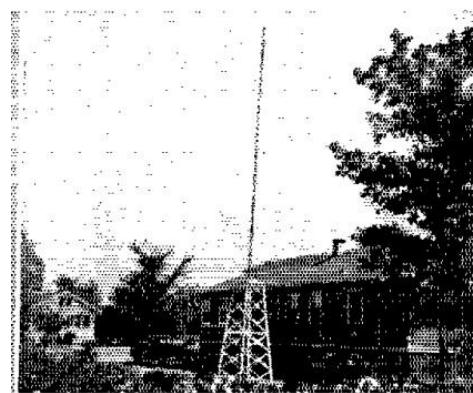


Figure 2. The W9GGI oil-can 40-meter vertical.

I apologize for the poor picture quality.

It's a screen grab of a PDF scan of a 1943 QST page.

### The Modern Can Antenna

I wrote about the WB4VVF ACCU-KEYER some months ago. First described in the August, 1973 QST, people are still building that keyer today – 50 years later. Are 1955-engineered beer can verticals being built in 2023, 68 years later? Or have they been relegated to the dusty memory of geezers like me?

Like ACCU-KEYERS, the occasional beer can vertical is still being built. I am writing this the day after Field Day, 2023. Yesterday a newly built beer can vertical went on the air at the GARS (Gateway Amateur Radio Club) Field Day, callsign K4GAR. It was built by David Wall, NA4AE. It's resonant on 15 meters. It radiated just fine – a lot of contacts were made. See Figure 3. Consistent with every beer can vertical built, NA4AE's design deviated somewhat from the W2JTJ design of 1955.



Figure 3. David Wall, NA4AE with his modern 14-can 21 MHz ground plane, operating from a brewery parking lot. David used 16 oz cans and a stinger on top for tuning.

Continued on next page.

**Around the Shack, continued**

David's design is an elevated ground plane rather than a ground-mounted vertical - a wise decision. Also, the beer cans are modern aluminum ones, purchased from a local brewery. It's nice to know you can support local businesses with antenna parts purchases. Craft brewing has made this possible.

During Field Day 2023, the NA4AE beer can vertical was operated from the parking lot of a brewery – the same one selling the cans with free beer included. That must be worth an additional 6 dB. Perusing David's design I'm guessing the cost came in at under \$100.

Per David, soldering the cans proved impossible. Electrical connection was made by strapping each can to the next with wire. As anticipated, the aluminum cans had negligible structural integrity (heck, even steel cans kept folding over in the 1960s) so David's design included a support tube running up through the center of the cans. As an adjudicator of all things beer-can-antenna related, I have ruled this departure from the original design "in-bounds."

**Building Your Very Own**

Doing a little research I discovered there are beer can size standards. Who knew? A standard 12 oz. beer can is 4.8 inches tall and 2.6 inches in diameter. Were those the dimensions in 1955? I don't know but they must be close.

82 cans work out to 32.8 feet, which is just right for a 40-meter vertical.

For 82 cans with a 2.6 inch diameter, EZNEC predicts a resonant frequency of 7.17 MHz (Mc in 1955) and a flat SWR of 1.3:1 across the entire band. Not a bad design.

For those inclined to continue the rich history of budget beer can antenna building, here is a useful table:

**12 oz Beer Cans Needed for a ¼ Wave Vertical**

| <u>Band</u> | <u>Cans</u> |
|-------------|-------------|
| 160         | 332         |
| 80          | 171         |
| 40          | 82          |
| 30          | 61          |
| 20          | 45          |
| 17          | 35          |
| 15          | 30          |
| 12          | 26          |
| 10          | 23          |
| 6           | 13          |
| 2           | 4.4         |
| 1.25        | 2.9         |
| 0.7         | 1.5         |

I will award a plaque to the first person who successfully erects an 80 meter beer can vertical. Meanwhile, small ones for six or two meters hold promise. They would be easy to build, have wide bandwidth and come with the whiz-bang reward only a beer can antenna can provide.

I can't encourage you enough to head to the QST archives and read the articles. They are a hoot. We all need a good laugh now and then and as I said at the opening – beer can verticals are a thing – they are real.

73, Hal N4GG

**2023 Upcoming FLARC Sanctioned Activity CALENDAR**

|                    |                |                                                           |
|--------------------|----------------|-----------------------------------------------------------|
| Week of August 9th |                | W1AW/2 VOTA FLARC On The Air<br>(Clubhouse and home QTHs) |
| Friday             | September 15th | POW/MIA Commemoration Day (Clubhouse)                     |
| Saturday           | October 14th   | Solar Eclipse QSO Party (Clubhouse and home QTHs)         |
| Sunday             | October 15th   | River Road Street Fair (Tentative)                        |

If in doubt about any event, consult calendar at <https://fairlawnarc.groups.io/g/main/calendar>

## Satellite Special Interest Group Update

Satellite-SIG@FairLawnARC.groups.io

A Special Interest Group SIG for those interested in amateur radio satellites, as well as others like weather, GPS, etc..

We welcome everyone interested in all types of satellite communications. Some interests are AMSAT, ARISS, receiving weather maps from satellites, APRS via ISS, and much more.

Status of ISS ham radio stations as of February 23, 2023:

Columbus Module radio:

Kenwood D710GA (CONFIGURED) mode is for cross band repeater (145.990 MHz up {PL 67} & 437.800 MHz down). It is powered off during docking and undocking of crafts.

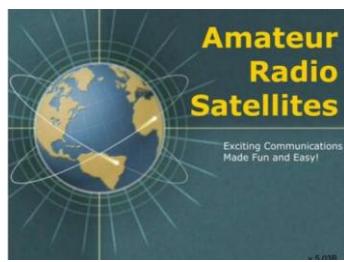
Service Module radio:

Kenwood D710GA (CONFIGURED) mode is for packet operations APRS (145.825 MHz up & down). It is powered off during docking and undocking of crafts.

For current status of ARISS:

<https://www.ariss.org/current-status-of-iss-stations.html>

For those interested in joining Satellite-SIG, just go to the club website [www.FairLawnARC.org](http://www.FairLawnARC.org) and use the "Join Special Interest Group(s)" link on left.



## In A Nutshell



Things have been very busy the last month as there was our Hamfest, followed by Field Day, and finally the Fair Lawn fireworks where club members provided the needed communications to assist the town in running the event.

The weather has been on the crazy side with the addition of a lot of smoke from the Canadian wildfires. It was so dark at my QTH that one day it was dusk all day and the streetlights came on!

Aside from that, we had much needed rain which broke the almost month-long dry spell. Due to the threat of thunderstorms, I have been off the air with equipment disconnected as a precaution.

I designed and built two automatic cutoffs for my laser printers. They consist of a 120-volt relay in a latching configuration where you must press a button to latch and turn on the relay and close the auxiliary contacts thereby dropping the load.

If power drops, the relay unlatches and does not turn back on until you reset it. The idea is that when power comes back on there are spikes in power that can destroy any microprocessor equipment, and most all electronics are!

In that way my equipment is safe from power surges when power is restored. All you need is a 120-volt relay, a pushbutton that is usable

on 120 volts and the power in and out connections and a suitable box to put the relay and wiring in.

73,

Fred Wawra, W2ABE



## DX Special Interest Group Update



**DX**



As we've noted previously, there are many reasons why hams "work DX" –

As a challenge ... to see how many countries of the world their radio signal can reach;

To qualify for awards — such as DXCC, WAC, WAZ, etc. — issued by various groups and agencies;

To receive and collect (and often display) "QSL cards" from around the world;

As a corollary to #3 above, to collect postage stamps from around the world!

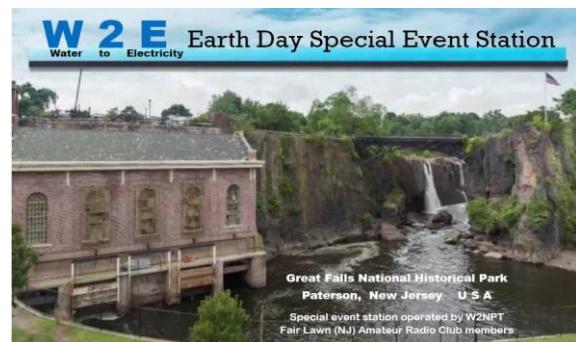
This month we'll discuss #3 and #4.

Shown above are four QSL cards recently received by Brian N2BTD and posted in our #dx channel of the FLARC Slack chat group. It happens that all four above are from what hams call "DXpeditions" — special expeditions to rare locations with radios and other equipment necessary to operate from such a location. DXpeditions usually try very hard to make their QSL cards distinctive, informative and related to the rare location. Many hams also pride themselves on having

attractive QSL cards.

Regarding #4, it's quite common for hams who exchange "paper cards" to go out of their way to use commemorative postage stamps rather than ordinary stamps.

Most Special Event Stations around the world also create QSL cards that describe the special event in some way. An example is the special card which FLARC has used for the special event call W2E we use at Great Falls National Historical Park.



Continued on next page.

## DX Special Interest Group, cont'd

There are various ways hams use to obtain or exchange QSL cards from other stations –

For stations worked that are in the same country you are in, the simplest way is to send your care in an envelope that also contains another “self addressed, stamped” envelope (SASE). This does not cover the cost of printing the card, but it does cover the cost of return postage and makes it easy for the distant operator to slip their card in the return envelope and mail it back to you.

When asking a DX (outside your own country) station to send you their QSL card, it is not practical to try to provide unused postage stamps of their country – better to include some US\$ to cover their cost of the postage. These days \$3US is generally considered proper, although some countries may have higher postal rates. A good way to find out how a DX station handles paper QSL cards is to look at their page at QRZ.com. They will usually indicate how they prefer to receive and exchange cards.

**IZØMIO** Italy  
Armando BELLINI  
Via Meringo Alto Nr. 91/A  
03027 RIPI FR, Italy

**QSL: Bureau, Eqsl, Direct and LOTW** ☺☺

You can see that this ham confirms several ways.

If they say “Direct” then the method of including the addressed envelope and US\$ is acceptable to them.

If you decide to use this method, Larry WA2ALY has offered a couple of suggestions:

- Wrap the cash with black paper;
- Send only NEW dollar bills; get them from the bank teller.
- Do not show any Callsigns on envelope.

Note that Eqsl and LOTW (Logbook of the World) do not provide paper QSL confirmations.

There is another method that might be shown on the QRZ.com page; example: **QSL: Via N7RO**

This is what you will find on the K7K page at QRZ.com – N7RO, or whoever is listed after “Via” is known as the “QSL Manager” for that particular call sign.

Again, several options are available for getting a card from the QSL Manager: Direct, Bureau or oQRS.

Direct is usually slow (unless the QSL Manager is an American ham), and often the most expensive – since you will pay postage both ways, as described above. The QSL Manager is just doing “the paperwork” so the DX station can spend more time on the air.

Sending your card “via the buro” is definitely the least expensive and the slowest method of exchanging cards. A description of how the Outgoing and Incoming QSL Bureaus work will be provided later.

That leaves the “oQRS” method to be explained. These days this method is often the easiest, fastest and most reliable way of getting a paper card from a popular DX station or DXpedition. It’s done “on line” with your computer (of course!).

Most DXpeditions and many of the rare or most desired DX stations use the oQRS service these days.

Here is an example of a QRZ.com page showing this:

**FT8WW** Crozet Island  
Thierry MAZEL F6CUK  
POSSESSION ISLAND  
Crozet Island      **QSL: ONLY via OQRS on Clublog**

When you see that, it’s clear that you will not get a paper QSL card using Direct, Bureau, or any other way except using oQRS, which is hosted and operated for free by Clublog.com – usually the QSLs are not free but none of the fee goes to Clublog; any fees go to the DX station or DXpedition to cover the cost of postage and printing of the cards, etc. (Don’t forget, a DX station and especially a DXpedition will get thousands – maybe tens of thousands – of card requests and we can’t expect them to cover the thousands of dollars for postage, etc.). So, how do you use oQRS?

Using your internet browser, go to —

<https://clublog.org/logsearch.php>

You will see a page that looks like this:

Enter the DX station’s callsign in the top window;  
Enter your callsign in the lower window;

Click on [ Show contacts ]

Continued on next page.

## DX Special Interest Group, cont'd

Here is an example of what you will see next:

**Log Search**

This form allows you to check if you are "in the log". It only works for registered Club Log users and expeditions that have uploaded their logs.

|                                                                    |            |
|--------------------------------------------------------------------|------------|
| Log to search:                                                     | VU7W       |
| 40,110 QSOs logged between 2023-04-15 13:52Z and 2023-04-28 17:33Z |            |
| Callsign to check:                                                 | W2JC       |
| <a href="#">Show contacts</a>                                      |            |
| <b>Band</b>                                                        | <b>FT8</b> |
| 20                                                                 | 1          |
| 15                                                                 | 1          |

Note: VU7W is also using the [Club Log expedition charts](#)

[Request QSL Card](#)

VU7W is a current DXpedition to an island off the SW coast of India which actually counts as a separate "country" for DXCC. Note that DXpeditions that have internet access and upload their logs either real-time or daily batches to Clublog provide an excellent way to be sure that you WERE actually logged by them when you made the radio contact. Note that the text line under the DX callsign tells you the latest date their log has been uploaded, so you can check for any logged QSOs up to that date/time.

You can see from the example above that W2JC is in the log for two FT8 contacts. IF he thinks he made another contact, it didn't get logged by the DX!

Also, be sure to wait until you KNOW that the DX has uploaded all of their logs to Clublog before you use it to request a paper QSL. You should make yourself a free Clublog account and log in before going any further.

As you can see, the Search page shows only the band and mode of the logged contacts; you will have to check your own log and determine the date and time of each contact before you go any further. Once you have that info, click on [ Request QSL Card ].

If you are already logged into your Clublog account, you should see a page like this:

**CLUBLOG**

| Home | About | Most Wanted | Expeditions | Livestreams

VU7W Club Log QSL Request for W2JC

The first DIRECT QSO costs €5.00 to QSL and each additional QSO costs €0.00  
Buro cards can be requested for free  
Contact: [y2gm@inbox.lv](mailto:y2gm@inbox.lv) directly for any QSL enquiries.

| New | Band | Mode | Year | Month | Day | HH | MM | LoTW | QSL options                                      |
|-----|------|------|------|-------|-----|----|----|------|--------------------------------------------------|
| ●   | 20   | FT8  | 2023 | 04    | 21  | 02 | 11 |      | +Direct +Bureau                                  |
| ●   | 15   | FT8  | 2023 | 04    | 19  | 21 | 17 |      | No Match made with the details you have provided |

[Cancel](#) [Confirm QSO details](#)

Here is where you enter the info from your log, for each contact listed. If your info matches the DX log, it will confirm by showing you [+Direct] & [+Bureau] blue

buttons on that line; if your info does not match in the DX log, it will say so – as shown below where I have entered on correct and one incorrect line –

**CLUBLOG**

| Home | About | Most Wanted | Expeditions | Livestreams

VU7W Club Log QSL Request for W2JC

The first DIRECT QSO costs €5.00 to QSL and each additional QSO costs €0.00  
Buro cards can be requested for free  
Contact: [y2gm@inbox.lv](mailto:y2gm@inbox.lv) directly for any QSL enquiries.

| New | Band | Mode | Year | Month | Day | HH | MM | LoTW | QSL options                                      |
|-----|------|------|------|-------|-----|----|----|------|--------------------------------------------------|
| ●   | 20   | FT8  | 2023 | 04    | 21  | 02 | 11 |      | +Direct +Bureau                                  |
| ●   | 15   | FT8  | 2023 | 04    | 19  | 21 | 17 |      | No Match made with the details you have provided |

[Cancel](#) [Confirm QSO details](#)

You can correct the info for the No Match and click the "Confirm QSO details" button again. Notice that this page also shows you what the cost will be for a Direct paper QSL card (one card generally shows all your confirmed contacts). As with most DXpeditions, a card via the Bureau is FREE ... but might take many months to be received by you.

When all your listed contacts have been confirmed against the DX log, you can click on whichever blue button you choose, and an envelope icon will appear. At the same time, a green [ Check Out ] button will appear at the bottom. Click on the green button.

You should then be on the PayPal page, where you can use either your PayPal account or a credit card to pay the small fee. Print out the PayPal receipt so that you have the Transaction info, just in case....

Most oQRS cards arrive quite promptly, and it's always exciting to get mail from other countries! Even if you don't collect stamps, you can probably find a family member or a friend's kid who would love to have them.



Using the Outgoing and Incoming Bureaus is clearly the least expensive way to exchange QSL cards, but also very slow. We'll describe that procedure in a future DX SIG Resonator column.

-- Jim W2JC



## FLARC PortableOps SIG

PortableOps@FairLawnARC.groups.io

This is a Special Interest Group (SIG) for members interested in portable ham radio operation such as POTA, SOTA, IOTA, LOTA, etc. The purpose of this SIG is to get outdoors and practice our operating skills from different places. We can share outing experiences, tips and work on our operating skills.

Much of the Portable Ops SIG discussion centers on POTA (Parks On The Air) but there are many other aspects of Portable operation in ham radio as well.

SOTA – Summits On The Air

IOTA – Islands On The Air

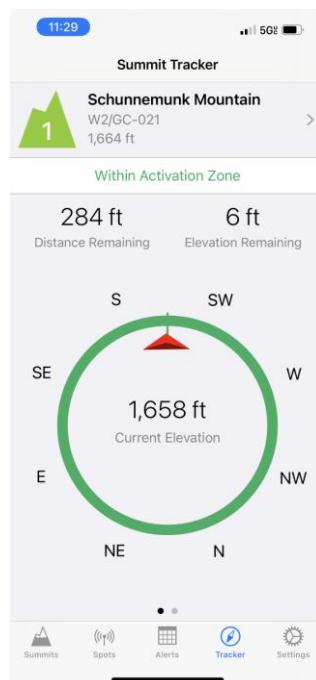
LOTA – Lighthouses On The Air

Etc.!

All of which involve setting up our radios away from home, in a portable environment.

Recently, Brian N2BTD and Mike KD2YEW have been “getting up in the world” by operating from summits in the area. In fact, on June 30<sup>th</sup> they were each on a different “summit” and were able to contact each other for what is called a “summit to summit” contact.

We don’t have any pictures of Brian’s setup that day, but Mike posted a few to give an idea of what a portable SOTA setup looks like.



Continued on next page.

## Portable Ops SIG, cont'd.

### Report from Mike KD2YEW —

This May 19<sup>th</sup>- 21<sup>st</sup> I attended the North East USA SOTA clubs first campout in the W2 region - which is in the NY Catskill area. There were about 20 hams there, from New Jersey all the way to Canada.

We set up our base camp at Woodland Valley campground, near Woodstock New York – which was conveniently in POTA park K-8070 Catskill State Park.

We had a sign-up sheet so everyone knew who was going to what summits and when, so we could get multiple “summit to summit” contacts. While there, I activated **W2/GC-105 Panther Mt** for 8 points, **W2/GC-102 Cornell Mt** for 8 points, **W2/GC-003 Black Dome** for 10 Points and **W2/GC-056 Black Head** for 10 points. All of these summits are above 3500 ft.

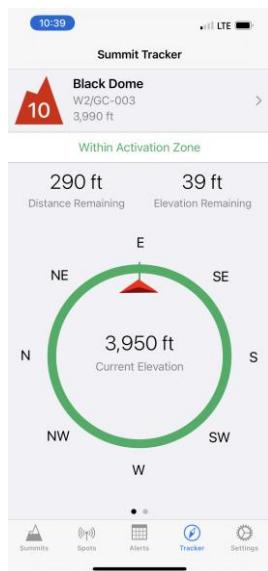
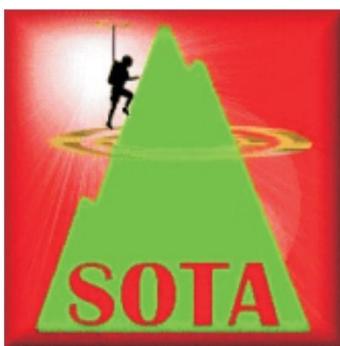
I used my Icom 705, Bioenno batteries and EFWH [End-Fed Half-Wave] antenna for HF and my Boefang UV5r for 2 meter contacts -- mostly S2S [“summit to summit”].

After each day we all gathered back at the campground and ate, drank and activated and hunted POTA stations. And on Saturday night we all met at the Woodstock brewery for dinner.

It was really a great time activating portable for a few days, going on some epic hikes in beautiful country and hanging with like-minded Hams.

They are planning another Campout in the fall in the Adirondacks High Peaks Region in October, which should be really awesome.

If anyone is interested in checking it out, reach out to me for info. 73 from Mike KD2YEW



View from the top – great for radio !



Stairs to the top ...



Radio check on the way up!

## Portable Ops SIG, cont'd.

### Half-time talk from the locker room ...

Greetings from Steve Rosman, KA2YRA

Johnson City, NY

July 11, 2023

Howdy to all my FLARC friends and family!

To paraphrase Mark Twain: "The report of my (ham radio) death was an exaggeration."

Let's just call it a brief hiatus ;-)

The weather is too hot to be thinking about football though I can't help but think of Knute Rockne rallying the troops (me) in the half-time locker room.

This has been an amazing first half. Maybe **unbelievable** is a better word for it. I spent the first quarter in hospital and rehab, then the second quarter was all about planning, purging, and packing for my move upstate.

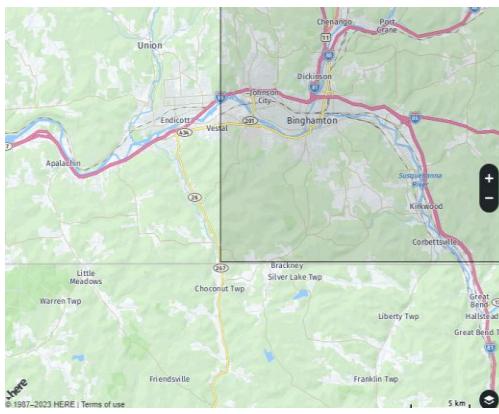
Now that we're in the second half of the year, I'm happy to say I'm now in my new home up north in the Southern Tier. How's that for a geographic oxymoron!

I am now living in Johnson City, NY (not Tennessee!) which is just outside Binghamton – near the junctions of Route 17, I-81, and I-88. And it is also near my older son, his wife, and my two grandsons — ages 4 & 6 and growing up so fast!

Lots of confluences here.

The Chemung and Susquehanna Rivers meet here, and often flood. My new grid square at home is FN22ad, and I'm now near the northwest corner of FN21 (used to live near the southeast corner), and right near the confluences of FN22, FN12, FN21, and FN11.

This is great for roving in the ARRL VHF contests. I also left the ENY/NNJ Sections in the Hudson Division and am now in WNY in the Atlantic Division.



And I joined the "other" BARA, the Binghamton Amateur Radio Association, which meets at the Kopernik Observatory in Vestal NY, where this city/suburban kid was amazed at how many stars you can see at night without the light pollution I grew up with. They're an active group with a working station at the Observatory.



Kopernik Observatory Equatorial Domes

Since my station was one of the first things to be packed and the last to be unpacked, I was off the air for way too long. And my time was taken up with the move so regrettably I had to miss all of the great operating opportunities like Field Day, June VHF Contest, and the various Special Event Stations. I especially missed POTA.

Now the station is quickly getting unpacked and setup. My deck is on the upper level of the building, facing the woods to the south with about 1100 foot elevation.

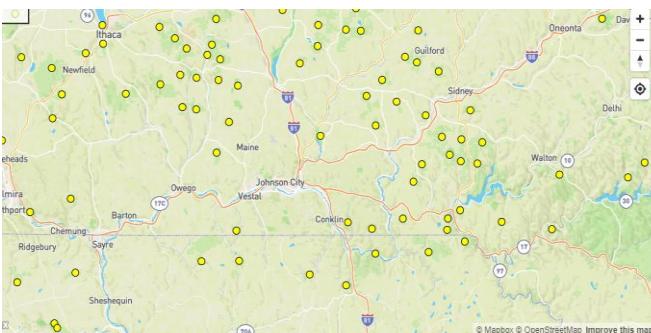


And there are so many POTA sites nearby including many trails and rivers. I've activated most of the sites to the east though there are TONS up north, west, and south of here.

Activating all of the New York sites will be more of a challenge since I'm only at 186 out of the 797 sites.

## Portable Ops SIG, cont'd.

NY is a BIG state!!!



My goals still include activating the rest of the POTA sites in New Jersey. I'm currently at 60 out of 100, and plan to spend some quality time and travel down to South Jersey. Might as well take the ferry to Delaware while I'm down there, and maybe keep going South. I'm overdue for a vacation.

And as POTA mapping rep for New Jersey I welcome the inquiries about locations, especially 2-fer's and more-fer's, and suggestions about new potential sites.

I'm building a list of candidates for consideration when new domestic sites are again being added. Right now only newly designated parks are getting added, so please keep me posted if you hear of a new state or national location and I'll work to get it added to POTA.

I also keep the **POTA.app** site database updated, and aim to make it more informative based on user feedback — though not detracting from the joy of research and discovery. Sharing is caring so your feedback is very valued.

And speaking of sharing, I'm looking forward to FLARC continuing the lead in various activities and recognition programs like Worked All NJ Counties, Worked All Parks in a County, etc and especially get togethers. Food and friends is what it is all about!!!

I totally enjoyed the time I've been with FLARC and plan to continue as a member. I guess I'll now be part of the "far" in the Near & Far Net. You are all truly a wonderful group of wonderful individuals, and I am proud to be part of FLARC.

I'm looking forward to seeing you again soon, either down there or up here. Route 17 is amazing since there are no tolls and no traffic lights, except for one about halfway up that is not active.

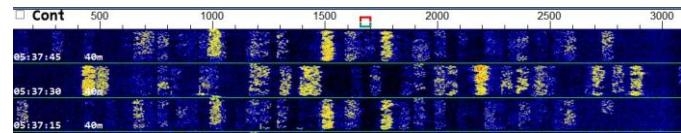
Best wishes and 73 all.

Steve Rosman KA2YRA [stvrosman@gmail.com](mailto:stvrosman@gmail.com)

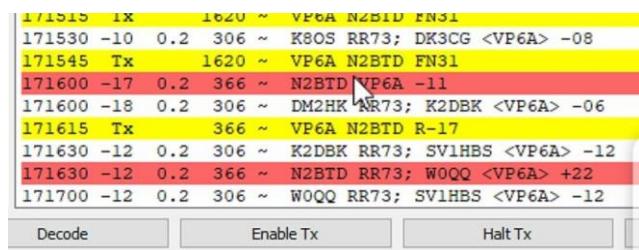
## FT8 & Digital Data Modes Special Interest Group Update

[FT8@FairLawnARC.groups.io](mailto:FT8@FairLawnARC.groups.io)

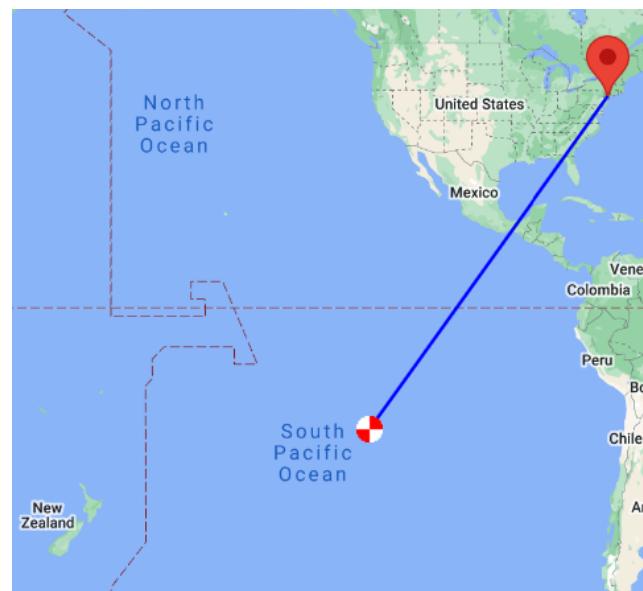
A Special Interest Group SIG for those interested in FT8 and FT4 digital communications and software.



A very unique occurrence happened on the afternoon of Sunday, June 18<sup>th</sup> —



If you look carefully at the 2<sup>nd</sup> and 3<sup>rd</sup> lines up from the bottom of the screen shot above, you can see that TWO of our FLARC members [K2DBK & N2BTD] were acknowledged by VP6A (DXpedition on Dicie Island) at EXACTLY the same time!



We could call that "synchronous coincidence"!

With the FLARC #ft8\_ft4 Slack channel, many of us share spots, comments, happenings and such in "real time" – it's lots of fun...

## Theoretics Demystified

-- Fred Wawra W2ABE

First some little snippets of information:

Mommy, Mommy, why is the sky blue?

Well, Johnny, it is due to what is called scattering.

All the visible light (photons, which are mass-less packets of energy) all hit the atmosphere at the same time, but the energy of the red to green part of the visible spectrum is rather low. The energy of the blue into the ultraviolet, which we cannot see, is much more energetic as it is of a shorter wavelength thereby of a higher energy level so it has the most effect as it hits the gaseous matter that composes the atmosphere thereby scattering the blue light which we can see!

The other wavelengths of visible light also scatter their photons; but being less energetic, their effect is overridden by the predominantly blue light that is scattered when the incoming photons hit the molecules in the atmosphere.

When you look into a mirror, what do you see?

The answer is a reflection but not your actual light image coming back to you.

What happens is that when the photons bouncing off your face hit the mirror or shiny metal, they cause the free electrons in the surface of the metal to become active and as those electrons settle back to a lower state, they emit photons back out toward you!

The incoming photons are of one phase and those emitted back are opposite so that the ones that are in the mirror or metal material are cancelled out. This all happens at the subatomic level! So, what you are seeing in the mirror is a re-creation of your photonic image.

You ask why a dull piece of metal does not reflect your image. It does, but since the surface is not smooth, most all of the photons are scattered within itself and absorbed as heat, albeit such a small amount so that it is imperceptible to us.

What makes glass and other materials transparent and other materials not?

The answer is the energy gap. It is the amount of energy needed to bring an electron from its quiescent (lower normal) state to a higher-or highest-level state.

When a photon hits an electron and does not have enough energy to move that electron to a higher state, it is not absorbed and passes through the material.

Glass, which is made of sand, mostly quartz, has electrons with a larger orbit which also makes it harder for the photons to hit the electrons. If a photon has enough energy to move the electron to a higher state, the energy involved in doing so causes the photon to be absorbed and it thereby cannot continue its journey. When you see a colored glass object, say a red lamp shade, the light (photons) that you see are allowed to pass through as they cannot excite the electrons at that red light frequency to move to a higher state. The frequencies of the colors that do not pass through the glass shade ARE able to excite electrons to a higher state, so those photons are absorbed in the process. For objects not transparent or light transmissive, ALL of the photons are absorbed and give up their energy in the form of heat. That is why if you put a solid object that is not clear in the sun it heats up. The darker the object the more it heats up as less light is reflected so more of the photons are absorbed.

The reason you cannot tan when sunlight passes through regular window glass is because the visible sunlight spectrum of colors' photons do not have enough energy to excite the glass's electrons to a higher state and thereby are not absorbed but pass on through. The frequency of the photons at the ultraviolet wavelength has enough energy to raise the electrons to a higher state and is thus absorbed in the process.

From the dark ages up until now with quantum atomic theory being discovered and explained, we made and used everyday objects without knowing how they worked. Not that we needed to know in order to use them but having the answer to "why" gives a better understanding of the world around us.

Again, 'mommy why is the sky blue?'

Fred Wawra, W2ABE, 73.



## Field Day 2023 with FLARC



The sign says it all ...



Due to nasty weather forecasts, all stations were set up under the pavilion this year.



Visitors at the Information Tent



And all through the night ....

Photos thanks to  
KD2YEW,  
KD2KLN  
and  
N2BTD.



Late night CW with Nomar NP4H



Tarps to keep the roof water off the rigs, and the wind to a minimum.



W2DLT: "Why isn't this working?"  
W2JC: "I'm checking on it"  
N2JLH: "Hi, guys!"



KD2BRV at FT8 station



WI2W, K2PD and W2KNG

|                                                                                                                                                                                                                                                                                                              |              |           |                   |       |                 |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-----------|-------------------|-------|-----------------|
| ARRL — the national association for Amateur Radio™                                                                                                                                                                                                                                                           |              | RADIOGRAM |                   | 2023  |                 |
| 1024                                                                                                                                                                                                                                                                                                         | PRECISENCE   | REC       | STATION OF ORIGIN | CHECK | PLACE OF ORIGIN |
| TO                                                                                                                                                                                                                                                                                                           |              |           |                   | 24    | Fair Lawn NJ    |
| Bob Buus                                                                                                                                                                                                                                                                                                     | 220D         |           |                   |       | TIME FILED      |
| & Dennis                                                                                                                                                                                                                                                                                                     | S4           |           |                   |       | JUNE 24         |
| Mulder                                                                                                                                                                                                                                                                                                       | NJ           |           |                   |       |                 |
| PHONE NUMBER                                                                                                                                                                                                                                                                                                 | 732-944-8615 |           |                   |       |                 |
| E MAIL                                                                                                                                                                                                                                                                                                       | W2PD@QSL.COM |           |                   |       |                 |
| Greetings                                                                                                                                                                                                                                                                                                    | From         | D 4       | AT                |       |                 |
| memorial                                                                                                                                                                                                                                                                                                     | Fair         |           | X                 |       |                 |
| FLARC                                                                                                                                                                                                                                                                                                        | Operating    | 3 A       | With              |       |                 |
| Members                                                                                                                                                                                                                                                                                                      | Including    | one       | ARES              |       |                 |
| Having                                                                                                                                                                                                                                                                                                       | a            | Great     | co-ordinator      |       |                 |
| FROM                                                                                                                                                                                                                                                                                                         | FRANK        | DATE      | TIME              | TO    | DATE            |
| RECD                                                                                                                                                                                                                                                                                                         | W2NPT        |           |                   |       |                 |
| This message was handled in its entirety by a licensed Amateur Radio operator.                                                                                                                                                                                                                               |              |           |                   |       |                 |
| whose address is shown in the box at right above. No compensation was requested.                                                                                                                                                                                                                             |              |           |                   |       |                 |
| An ARRL member may request compensation for handling messages addressed directly to him.                                                                                                                                                                                                                     |              |           |                   |       |                 |
| The ARRL is the national association for Amateur Radio and the publisher of QST magazine. One of its functions is promotion of public service communication among amateur radio operators. This message was handled by the club organized the handling of this System for daily nationwide message handling. |              |           |                   |       |                 |

Extra points for a ham-gram via the National Traffic System (tnx KD2KLN)



For FLARC membership info  
and renewal/application form  
please visit:  
[membership.FairLawnARC.org](http://membership.FairLawnARC.org)

## FLARC Dues, new and renewal, (and even donations!) can now be made on-line ...

[Please note that this is a temporary improvement while Dave KD2JIP works on a real, full-fledged web page for filling out the membership/renewal form and submitting that and payment on-line.]

Payments can be made using either PayPal or Zelle.

Here's how –

### Using PayPal —

Log into your PayPal account at

<https://www.paypal.com>

At top right, select "My PayPal"

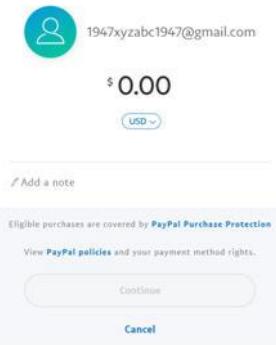
Under Quick links, select "Send Money"

In the window showing  
Name, email or mobile number  
enter this email address:

[1947xyzabc1947@gmail.com](mailto:1947xyzabc1947@gmail.com)

Click on [ Next ]

Enter \$ amount you  
are sending, & in  
"add a note" area  
type in your CALL  
SIGN and which  
year (2020 or 2021)  
the dues are for, &  
any other explanation.



Click on [ Continue ]

Click on the [ Change ] button

Click on "Sending to a friend" link



Sending to a friend

No fee to use bank or balance to send to  
friends and family in the U.S.

You will see a summary of your transaction;  
if no changes are required, click on

[ Send Payment Now ]

to complete your transaction.

\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$

### Using Zelle —

If you are using Zelle through your bank  
account, just send your dues to the following  
number: 201-240-9317

Don't forget to add in the note/message  
section your callsign and that it is for your 2020  
and/or 2021 dues.

OR you can still use a good ol' Check or

CONTINUED IN NEXT COLUMN →

**For a PDF form that can be filled in on-line, then printed and mailed with check, [CLICK HERE](#)**

Or you can print this page, fill it in and mail to the address shown at the bottom.



## Fair Lawn Amateur Radio Club

*Fair Lawn Recreation and Community Center  
10-10 20th Street  
Fair Lawn, N.J. 07410*

### MEMBERSHIP/RENEWAL FORM

Name \_\_\_\_\_ Call \_\_\_\_\_

Address \_\_\_\_\_ PO Box \_\_\_\_\_ Ste./Apt # \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Roster Published Phone # \_\_\_\_\_ Unpublished Phone # \_\_\_\_\_

Roster Published EMAIL \_\_\_\_\_ License class: \_\_\_\_\_

Check all that apply     ARRL Member ?     RACES Member ?     ARES Member ?     CERT ?     VE ?

Additional Family Members (In same household) --

Name \_\_\_\_\_ Call \_\_\_\_\_

Name \_\_\_\_\_ Call \_\_\_\_\_

**Introductory and Student Membership**      \$ 20      \$ \_\_\_\_\_

(Students under the age of 18 eligible for student membership)  
(Introductory membership open to new members  
or not a member in last 7 yrs)

**Associate Membership \***      (No Fee)

\* Open to Fair Lawn Residents Only. No voting rights or other privileges.

**Renewal of Current Membership**      \$ 25      \$ \_\_\_\_\_

**Three Year Renewal Incentive**      \$ 65      \$ \_\_\_\_\_

(Single memberships only, family memberships excluded)

**Additional Family Members**    # \_\_\_\_\_ at      \$ 5 each      \$ \_\_\_\_\_

**Life Membership**      \$ 625      \$ \_\_\_\_\_

**Senior Life Membership** (65 yrs. of age or over)      \$ 250      \$ \_\_\_\_\_

**Equipment Fund Donation, above regular membership dues**      \$ \_\_\_\_\_

Total submitted      \$ \_\_\_\_\_

Date \_\_\_\_\_

I hereby acknowledge the By laws and rules and regulations of the club and will abide by them as amended

Please Note: Memberships are NOT Pro-Rated. Membership is from Jan 1<sup>st</sup> to Dec. 31<sup>st</sup> of any given year unless documented otherwise.

Please make your dues check payable to the "Fair Lawn Amateur Radio Club" and remit to the following address:

**Fair Lawn ARC  
– Attn: David KD2MOB  
10-10 20<sup>th</sup> Street  
Fair Lawn, NJ 07410**

Complete this form for NEW or RENEWAL ARRL membership and give to FLARC Treasurer [David Gotlib KD2MOB] with your payment check.



## ARRL Affiliated Club Membership Application

- I am a brand-new member, or my membership lapsed for 2 or more years. My club will receive a \$15 commission.
- I am renewing (includes lapsed members of less than 2 years). My club will receive a \$5.00 commission.

Name \_\_\_\_\_ Call Sign \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ ZIP \_\_\_\_\_

Email \_\_\_\_\_ Phone \_\_\_\_\_

Date of Birth \_\_\_\_ / \_\_\_\_ / \_\_\_\_

- My Family Member is Joining or Renewing: (Annually \$10 per member)

Name \_\_\_\_\_

Name \_\_\_\_\_

### Your Annual Membership Dues -

Circle Your Choice

|                                 | 3 Years | 2 Years | 1 Year |
|---------------------------------|---------|---------|--------|
| US Membership                   | \$140   | \$95    | \$49   |
| International (Digital Only)    | \$140   | \$95    | \$49   |
| International (with mailed QST) | \$217   | \$147   | \$76   |
| Blind                           | \$30    | \$20    | \$10   |
| Family                          | \$30    | \$20    | \$10   |
| Student                         |         |         | \$25   |

TOTAL \$

### Choose your print magazine -

Check One

- QST**, ARRL's membership journal for active radio amateurs (12 monthly issues)
- On the Air**, Beginner-to-intermediate-level help and advice (6 bimonthly issues)
- Digital Only** (All members can access the digital versions of both magazines)

### Payment

Enclosed is my:  Check  Money Order  Charge Request

Charge to my:  Visa  Mastercard  Amex  Discover

Card Number  Expiration Date

Card Holders Signature

Toll Free (US) 1-888-277-5289 or 860-594-0200 • ARRL, 225 Main St., Newington, CT 06111-1400  
[membership@arrl.org](mailto:membership@arrl.org) • [www.arrl.org/join](http://www.arrl.org/join)

## June 2023

### FLARC Business Meeting

FAIR LAWN AMATEUR RADIO CLUB

MINUTES BUSINESS MEETING

Fair Lawn Senior Center

July 7, 2023

President Dave KD2JIP called the meeting to order at 7:30 PM. At his request the members present in person rose and recited the Pledge of Allegiance.

The President asked the Club Secretary, Jim W2KNG, to call a roll of the officers and Trustees. The Secretary called the following, each of whom responded as "present":

|                 |                                 |
|-----------------|---------------------------------|
| President,      | Dave, KD2JIP,                   |
| Vice President, | Lee, KD2DRS,                    |
| Treasurer,      | Dave, KD2MOB,                   |
| Secretary,      | Jim, W2KNG,                     |
| Trustee,        | Fred, W2ABE and                 |
| Trustee,        | Brian, KD2KLN.                  |
| Trustee         | Steve, KA2YRA, was not present. |

The Secretary confirmed to the President that a quorum existed in order for the meeting to proceed and business conducted.

The President then asked for a motion from the floor for the approval of the minutes of the business meeting held June 2, 2023. Upon motion duly made by Gene WO2W and seconded by Fred W2ABE the motion to accept the minutes of the meeting held June 2, 2023 were unanimously carried and the minutes approved.

The President then asked for the Treasurer's Report.

The Club's Treasurer, Dave KD2MOB, first gave thanks to all the members who had participated and assisted in both Field Day and the Hamfest. The Treasurer then gave a summary of the status of accounts. Upon motion duly made by Fred W2ABE and seconded by Judith KC2LTM, the Treasurer's Report was unanimously approved.

The President then welcomed a new member to the Club: Stuart KD2FTR. Stuart reported that he had recently passed his General and was welcomed with applause.

The President then took a moment to echo Dave KD2MOB's comments in thanking all who participated in Field Day and the Hamfest. He gave special thanks to Noel W2MSA for his leadership on Field Day. The President reported that due to the weather all operation was from the Pavilion and this was not only well received, it may be the practice in future Field Days.

The President also noted the excellent job done by the members of the Club at the Fair Lawn July 4<sup>th</sup> fireworks. He also noted that the Club had received a very nice letter from the Parks Department thanking the Club for its participation.

Continued on next page.

## June 2023 FLARC

### Business Meeting, continued

The President then noted certain upcoming events, particularly the Sussex Hamfest on July 16. He also noted that there will be no Van-Fest this year. The President then called attention to a proposed trip to the *InfoAge Science and History Museum*. This had been under discussion for some time and there was some discussion from the floor as to the scheduling during the summer months in light of traffic on the Garden State Parkway. The consensus was that perhaps it would be better to wait until September.

The President then noted that Stan K3KKH had stepped down as Chair of the Education Committee. The President has had discussion with some members as a possible replacement and asked if anyone would like to step up to please let him know.

The President then asked the Chair of the Member Engagement Committee, Fred W2ABE, to give a report. Fred reported on a number of telephone calls he had made and he has had some positive responses. The President thanked Fred for all his efforts on this Committee.

The President then asked the Secretary, Jim W2KNG, to report on the vote to fill the remaining Trustee term of Steve KA2YRA who had resigned. Jim reported that Judith KC2LTM had been elected by the Board to fill the remaining term. The President welcomed Judith and expressed his thanks to Steve for all he has done for the Club.

The President then asked Lee KD2DRS to report on the Youth Committee. Lee stated that the Committee would be focusing on Fair Lawn youth and he is reaching out to the Fair Lawn schools in this regard.

The President then asked Noel W2MSA to report on Field Day. Noel stated that everyone adapted well to the weather and it was a very successful Field Day. He reported the Club had three operating stations and an FT8 station and was therefore 3A for Field Day. He stated that he had received very positive feedback on the use of the Pavilion and that it had enhanced the social aspect to the event. He reported that Jim W2JC is working on the scoring and data reports. Jim N2JLF commented that he liked the Pavilion set up but asked about headphones. Noel reported that headphones were available. This led to a brief discussion on the use of headphones at Field Day, the pluses and minuses.

The President then asked Judith KC2LTM to report on Health and Welfare. She reported that she had sent out two cards in June.

The President then read a report on social media from Brian N2BTD. Facebook Reach was 2,225, an increase of 572%, Facebook visits, 354, an increase of 170%, Facebook likes 10, a decrease of 9%. Also Facebook published posts were 5, Median Post Reactions, 13. As to Field Day, Announcement Reach was 723, Likes and Reactions, 31, Comments, 2 and Shares, 10. The Field Day Live Video Reach was 484, Likes and Reactions 31, Comments 6 and Shares 2. Instagram Reach was 27, visits 6 and followers, 12. It was also noted that the Clubs' YouTube had 1,136 subscribers.

The President then asked Gene WO2W to report on Community Relations. He stated that all minor problems at the Rec Center have been addressed and cleared up. Members are permitted to walk to the bathrooms through the lobby, contrary to what some had suggested.

Gene also reported on the Hamfest. He stated it was a complete success and thanked everyone who worked at it. He gave a breakdown of some revenue and expense numbers. Most importantly there were 170 people who attended, which made for a very successful event. Gene also reported that he would be stepping down as Chair of the Hamfest for next year for personal reasons.

Continued on next page.

## June 2023 FLARC

### Business Meeting, continued

The President then reported that no one had yet stepped up to Chair the Auction in November. Gene noted that the Senior Center had already been reserved for the event, as well as for the Holiday Party in December.

Brian KD2KLN then reported on net participation in June.

The President then reported on behalf of Jim W2JC as to various topics. He reported that Jim is still working on the data documentation for Field Day. He also reported that Jim would remind everyone to get items to him in a timely fashion for inclusion in the Master Calendar. Also he would remind all members about the upcoming W1AW/2 event in which the Club is participating. Because this is a 24/7 week-long event and no two stations can be on the same band and mode at the same time, it is essential that there be coordination and a sign up system. This will be done with an online website. In answer to a question, there will be no remote operating from the Club station.

The President then read a report from Paul W2IP on the Tech Committee. He has an email out to W2GD and others for necessary tower work. The Tech Committee will be looking to stabilize the beam antenna. It is moving and at this point seems to be 45 degrees off. He advised that no one should use the rotor at this point, to avoid consequential problems.

Dave KD2MOB then gave an ARES/RACES report. He noted that there is a net every Wednesday night on the Club's repeater and invited anyone to join. Karl W2KBF asked about the possibility of using WinLink for check ins and Dave said he would look into it.

The President then asked Gene WO2W about VE Testing Sessions and he reported that there is just one candidate for the upcoming July session.

The President then reported that all Kawfee Tawk speakers have been canceled for the remainder of the year and we will be looking to get that up and running again and schedule some interesting speakers.

As to unfinished business, the President reported on ongoing efforts for mentoring so that the accumulated knowledge can be passed on to members taking on responsible positions in the Club from those who have held positions in the past.

Fred W2AAB then reported on the donation of a WW-I aviation spark gap transmitter. He has been meticulously cleaning it, a labor intensive endeavor. It is quite valuable and rare. This led to a discussion of the piece of equipment, its use and operation. Fred said the next order of business is try to find its provenance and if it can be further identified.

Jim W2KNG then raised some organizational issues which led to a brief discussion.

Upon motion to adjourn the meeting made by Brian KD2KLN and seconded by Judith KC2LTM, the motion was unanimously approved and the meeting was adjourned.

Respectfully Submitted

Jim Jalil W2KNG  
Secretary

## Past FLARC Member Profiles

Here is a list of past member features and we welcome your recommendations for new profiles -- including your own.

| Month        | Name           | Call Sign       |
|--------------|----------------|-----------------|
| January 2016 | Pete           | KB2BMX          |
| February     | Marco          | KC2ZMA          |
| March        | Ron            | KC2TBD          |
| April        | Kai            | K2TRW           |
| May          | Larry          | WA2ALY          |
| June         | Dave           | N8MAR           |
| July         | Steve          | WI2W            |
| August       | Thom           | W2NZ            |
| September    | Brian          | KD2KLN          |
| October      | Brad           | KM2C            |
| November     | Al             | WA2OWL          |
| December     | George         | W3EH            |
| January 2017 | Fred           | W2ABE           |
| February     | Dave           | KD2MOB          |
| March        | Randy          | WU2S            |
| April        | Lee            | KD2DRS          |
| May          | Gene           | WO2W            |
| June         | Carol          | KD2NMV          |
| July         | Kevin          | KC2KCC          |
| August       | Robert         | KD2NOG          |
| September    | Robert         | KD2BKD          |
| October      | John           | KD2NRS          |
| November     | Fred           | W2AAB           |
| December     | Margaret       | W2GB            |
| January 2018 | Brian          | KD2OAZ          |
| February     | Bennett        | KO2OK           |
| March        | Van            | W2DLT           |
| April        | Aly            | ALØY            |
| May          | Bruce          | NJ2BK           |
| June         | Dave           | N2AAM           |
| July         | Karl and Susan | W2KBF and W2SKT |
| August       | Steve          | KA2YRA          |
| September    | Paul           | K2PJC           |
| October      | Skip           | KD2BRV          |
| November     | Jim            | W2JC            |
| December     | Tom            | N2AAX           |

By the way, Randy (WU2S) has compiled a binder of all back issues of *The Resonator* and it's located in the club office.

Thanks Randy!!!

## 2019-20 Member Profiles

The year is now complete and here is a list of the 2019 & 2020 monthly profiles. See past profiles elsewhere in *The Resonator* to check back in the archives to see each featured member's background.

| Month        | Name    | Call Sign |
|--------------|---------|-----------|
| January 2019 | Dave    | KD2JIP    |
| February     | Jim     | K2ZO      |
| March        | Zach    | KC2RSS    |
| April        | Bob     | N2SU      |
| May          | Stan    | KC2K      |
| June         | Steve   | WA2BYX    |
| July         | Roger   | K2RRB     |
| August       | Judith  | KC2LTM    |
| September    | Chris   | W2TU      |
| October      | Bob     | N2SU      |
| November     | Bob     | WA2ISE    |
| December     | Carol   | KD2NMV    |
| January 2020 | Gordon  | W2TTT     |
| February     | Chris   | KD2JQZ    |
| March        | Glenn   | KD2MDR    |
| April        | Steve   | K2SAB     |
| May          | Ahmed   | NJ8Y      |
| June         | Charlie | AC2ZU     |
| July         | Jim     | N2JLF     |
| August       | Walt    | K3DQB     |
| September    | Gregg   | N2ECH     |
| October      | Jim     | W2KNG     |
| November     | Dave    | KD2SGM    |
| December     | Bill    | NB1ILL    |

## 2021 Member Profiles

Here is a list of the 2021 monthly profiles.

| Month        | Name         | Call Sign  |
|--------------|--------------|------------|
| January 2021 | Ed           | KD2TVT     |
| February     | John         | W2USN      |
| March        | Noel         | W2MSA      |
| April        | Gene         | KD2VNI     |
| May          | Berlotte     | KD2MYF     |
| June         | Noel         | N2OEL      |
| July         | Roy          | KD2VMX     |
| August       | Jeremy       | K2GRI      |
| September    | Bill         | WA2WL      |
| October      | Nomar        | NP4H       |
| November     | David        | AC2GL      |
| December     | Paul Brennan | N6FB/MØJOV |